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<210> 725

<211> 974

<212> DNA

<213> Homo sapiens

<400> 725

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974

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<211> 1508

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<213> Homo sapiens

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<222> (309)

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<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<400> 726

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<210> 727

<211> 2004
 <212> DNA
 <213> Homo sapiens

<400> 727

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 <211> 1470
 <212> DNA
 <213> Homo sapiens

<400> 728

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<210> 729

<211> 1755

<212> DNA

<213> Homo sapiens

<400> 729

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<211> 437

<212> DNA

<213> Homo sapiens

<400> 730

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<211> 3663

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<210> 732

<211> 2017

<212> DNA

<213> Homo sapiens

<400> 732

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<211> 2004
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 <213> Homo sapiens
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<210> 734
 <211> 1128
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1117)
 <223> n equals a,t,g, or c

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<221> misc feature
 <222> (741)
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<210> 736
 <211> 1099
 <212> DNA
 <213> Homo sapiens

<400> 736
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<210> 737
 <211> 3219
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
<222> (3212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3215)
<223> n equals a,t,g, or c

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<210> 738

<211> 849

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739

<211> 2069

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2046)

<223> n equals a,t,g, or c

<400> 739

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2069

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<210> 740

<211> 1567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1532)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 740

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atggagggcg aggacgtgga agacgaccag ctgctgcaga agctcagggc cagtcgccgc 180

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cgcttcacaga ggcgcgatgca gcggtctgata gagaagtaca accagccctt cgaggacacc 240
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tcagttgctt gggccttagc acctgcagtg cctcaaaagg ctttgaacaa tgaattaa 540
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1567

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<210> 741

<211> 2829

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 741

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ttaataagaa aaaccataa aatttactgt ttttaaaaag ctgctctaa taatcagaca 180
gtcaaaaag caggaatcag ctctccagga ggcctcttgg tctggggccc aggggatgag 240
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acagctggga gaacagctga agcagctggt gacctgaac ggcctcacag tcatggatct 360
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tcggggagag gatgtggatc agctcgtagc ctgcatagaa agcaaacctgc cagtgcctgt 480
ctgtacgctc cagttgcgtg aagagtcca gcaggaaagt gaagcaacag cagggtctct 540
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tgataagagc agtttgaat cagatcccgga aggggaaaaac atccatgctg gactcctgaa 660
gaagttaaat gaactggaat ctgacctaac ctttaaaaaa ggccctgagt ataagagcat 720
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<210> 742

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (460)
 <223> n equals a,t,g, or c

<400> 742
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 ctaggggaga agccggggtt ggggctggtt tccggcctat gctgccctcc caggggggtc 180
 cacagcggcc tctcagcacc ttctcccctg cccccaaggc cactctgac ckaaacctcca 240
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 caaagagcct gctctgtccc gcccccactg gggaaatggg gaccacgcct tctgctccac 360
 cmcaacgcaa toggagggaaa tctgttcacc gagtgttggc ggaactggat gatgagagt 420
 agcctcctga gaaccgcgca ccggtcctta tggagcccan gaagaaactc cgtgtagaca 480
 aagcccaact gactccact ggaatcgac gtggccctcc tcggaaagtc ccaagttagcg 540
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 tggcctgtgk kggtcgacgc atccaggctg ccaggggagg cgaacttckya tgcccagggt 720
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 tgagttagaca cagcagcgag caaataggct tgataaatam cccccttccc ttcccctccc 840
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<210> 743
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (599)
 <223> n equals a,t,g, or c

<400> 743
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 agacctgggg gtccctcgcg gagggtgatg gttctttacc caccocacag gagatttcag 240
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 gaagccccgt cttgggggca tttctgggca gattgtgaat tggaggaaat tctttaactg 540
 aagtagcttg gctggaccct gcccttgtgt gaccatgtct cctattgcac cagcatttng 600
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 ctgtctatata tgggagtgta ccagccaact ccttttccga tgtctgtaag tcacctcatt 720
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 caagcagtg cagaggccct cagaaaggga ttagggtaga tgattgcaac tgaacacaa 840


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tcttctttct ttgccagggt attttggggg ttttgcctca aaatataccc tgggcatagc 900
attactgcag tcttggatgt ctaccccaaa ctccacacc atccttcgac ccacagctgc 960
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<210> 744

<211> 361

<212> DNA

<213> Homo sapiens

<400> 744

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ggtggccgct ggagtttgtg tggccgccgc cgcgggaacg cgagcccggt aatttttcaa 60
cggagaaaag cgaggctttc gggctctgca gagtgaagt tagcaagtgt ccggtccag 120
ccggcatgga ggtaccacag agtaaaagac ctgccgcgca ggccgtggct ctgcgctgc 180
tggagtgcgc cgcggccggag ggcggggagg agccgcgcgc tccagctccc gaggaaactc 240
aacagtgtaa atttgatggc caggagacaa aaggatccaa gtctattacc tccagtgcga 300
gtgacttcag tgaccgggtt tacaagagaa ttgccattac gaatggctgt attaatagaa 360
t 361

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<210> 745

<211> 1936

<212> DNA

<213> Homo sapiens

<400> 745

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gggtttttac ccttcttaaa ataagtttta ttccatctgc aaattgctgc aatattatag 60
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caataaatac cacttttaaa aatgacacat atttaaacac ttagaaaaata aagtttaacc 180
ttactgaagt gctagtacta aactgtgcta gtactaaaaa aaaacagggt ggaacatata 240
tatagcctag catttataac agaattgttg aacgysygya aatgattttt tttttttttt 300
gcaaaggaaa aaattgatac tggaaaagat tgttgtgcac agttattagt cattgttaac 360
cttgccttaag tatttcttag tccaacatag atattttctt tctcctgacc atgtatttta 420
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ccccattgta ccaaaaagat aaaaaaatgg taaacactga tcaagggtatt ttgtattgtc 1680
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ccctgtcat gactttaagt tctacttttc attaaccatg gcctgatatt agttctctaga 1860
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1936

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<210> 746

<211> 1619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 746

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tccgagtctc cgccgctgcg ggcccgctcc gacgcggaag atctgactgc agccatgagc 180
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gaattgcaga gaaatgcatt ttcacagaaa tcaagatggt atttttgtat actatatcac 1440
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 tgaagtccca gaaaatagaa atgtaatttt aaactattcc aataaagctg gaggaggaag 1560
 ggganannaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaag 1619

<210> 747
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (54)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (476)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (491)
 <223> n equals a,t,g, or c

<400> 747
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 ggcctccaat cggcacctyc tccaggctcg tgggcataac ctgcatttgt aatgstacca 420
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<210> 748
 <211> 603
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (598)
 <223> n equals a,t,g, or c

<400> 748
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 gcgggaagaa gaaggaggag ctgctgaaac agctggacga cctgaagggt gagctgtccc 180
 agctgcgcgt cgccaaagtg acaggcggtg cgccctccaa gctctctaa atccgagtcg 240

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<210> 749

<211> 2045

<212> DNA

<213> Homo sapiens

<400> 749

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<210> 750

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<211> 1144
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1127)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1137)
<223> n equals a,t,g, or c

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<210> 751
 <211> 1598
 <212> DNA
 <213> Homo sapiens

<400> 751
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<210> 752
 <211> 1485
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (243)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1382)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

<222> (1429)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1436)
 <223> n equals a,t,g, or c

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<210> 753
 <211> 1756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1740)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1756)
 <223> n equals a,t,g, or c

<400> 753

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<210> 754

<211> 1795

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 1280

<212> DNA

<213> Homo sapiens

<400> 755

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1280

<210> 756

<211> 3665

<212> DNA

<213> Homo sapiens

<220>
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 <222> (3654)
 <223> n equals a,t,g, or c

<400> 756

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<210> 757

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1071)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1081)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1201)

<223> n equals a,t,g, or c

<400> 757

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<210> 758

<211> 631

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (630)

<223> n equals a,t,g, or c

<400> 758

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631

<210> 759

<211> 2496

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1957)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1963)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2006)

<223> n equals a,t,g, or c

<400> 760

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<210> 761

<211> 1757

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 761

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<210> 762

<211> 4448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4446)

<223> n equals a,t,g, or c

<400> 762

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<210> 763

<211> 2890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 763

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tcatctggat tacgtggctg tatgttaatt gaattagcat tgagaggaag gttacaacta 780
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```

<210> 764

<211> 1703

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (860)

<223> n equals a,t,g, or c

<400> 764

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```

<210> 765

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<400> 765

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attgcaaaagc ttaagtataa acaagctctg accganatcc ttcattgatga gagatttggg 180
gacactcttc tctctgtgt gtagtgtata gtttggtggt gaagagatgg ctgacagttg 240
caaaaccttt ctccaggacc tt 262

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<210> 766

<211> 3072
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (3072)
 <223> n equals a,t,g, or c

<400> 766
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 csaagaagag gaagaagacc aagrcaccac atgcccaggg ctgcagcagg agctgctgga 180
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 aagaagggga agaagatcaa agaaggaaa aagaagggga agaaaagaag ggggaagaaga 420
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```

<210> 767

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1321)

<223> n equals a,t,g, or c

<400> 767

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n 1321

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<210> 768

<211> 1532

<212> DNA

<213> Homo sapiens

<220>
 <221> misc feature
 <222> (1523)
 <223> n equals a,t,g, or c

<400> 768

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<210> 769
 <211> 2569
 <212> DNA
 <213> Homo sapiens

<400> 769

```

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tcaccgtgtg gccagaccca aaaccgcaag ggccactctg ggcttccctg tctctggcca 600
ctagcctgcc gtggcccggt gtcacatggc tcccagccgc cgtgtcttcc atccgtggga 660

```

```

ccttgcctct gtggctttgc caggcccgaga agargccgtg cccccccgcg cctgcccctc 720
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```

<210> 770

<211> 1637

<212> DNA

<213> Homo sapiens

<400> 770

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gtctgtggcc ggcgcttggg ctacggttgt tgttggcgac tgtgcttcaa gcggtgtctc 180
cttttggggc agagttttca tcggaggcat gcagagagt aggcctttct agcaacttgc 240
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ttgaagtgtg tggatgaaaa ttgggaaggt tccctcaagt ccaagctttt gttaggagtg 420
ataaacccaa actgttcaga ggaactgaaa tcaagtatgt ccgtggttca gacctgtat 480
taaaagctttt ggaacacatt gggaacattg ctgaagaact gacatctctc aaatgaaaca 540
cagacagctgt agaagaattc ctgagtgaat agttggaaac catataaatc ttgcttaaat 600
tttgtctact ccttttgtaa ccttatcaaa tgaaatatta cagcacctag aaaaataatt 660
agttttgctt gcttccattg atcagctttt tacttgaggc attaaatcac taataataac 720

```

```

gtgaaatggc agtatagtc atgatatcta aggagttggc aagcctaaca aaacccattt 780
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cttgccgttta attatgcaaa tgatagtttg tgataatttg tccagtttta cgaacacag 900
atttctaaat tagagaggtt aacaagacag atgattacta tgcccattgt cgtgtgtgct 960
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tctgatttta ttttcaaaag ttttttcatt tatgaacaca ttttcattgg tatattattt 1560
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aaaaaaaaaa aactcga 1637

```

<210> 771

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2479)

<223> n equals a,t,g, or c

<400> 771

```

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gatttatatat tgtgtgggtc agttctgtgc tatttttttt ccactggcct gtttgtctat 120
cctttgttta ctaccaccaa gctataactc ttgatagctg gtaatgaagt ctcccaattt 180
tgttcacctc caagattgtc ttctggcttt tctgtatttc aaataaattg taaaattgat 240
ttggcatttt tcacacacac accccttgct ggtttcttga ttgggattgc attaagtctt 300
ttgtgatttt gagaattgac atccttacag tattgagtat tctaacctgt gaatatggta 360
gaaaccattg tgtattcagt tatttgattt ctttcagtta tgttttataa ttttctgtgt 420
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taaatgggat tgttttaaat ttttatttct taattatagc aacttgtagt tagagtcagt 540
tgccacttta tgaatgggat atgagaaatg cattgttagg cagtttcact atgcaaacat 600
catagaggtt acttacgcaa atcatgcaaa catcatagag tgtagctaca caaacctaaa 660
tggtacacgc tgcctacacac cttagctgta tgatatagcc agttgctcct agactgcaaa 720
cctatacagc atgttactct actgaatacc gtaagcagtt gtgacacaa gatgagtatt 780
tgggttatcta aacatactta agcattttta aatgtacag taaaaatgta aaaagtaaaa 840
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taaaatatgt gcttcacgga aaggggactt tgattaagga catgcctcct tcagagcttt 1380

```



```

ttcttttccc cctagtattt ccaacttggg gatgtttggc atcgacgaat ttactgcagt 1440
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cactgaggat gaagagggaa atgccaaact gcagcagcgc cagctcataa cagtcacaat 1560
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ttacaagcac tgcctcagat atacttgaag aatttaatak gtacagaagt ttattctgga 2160
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gccttcacatc tgagtcggaa tatattttaa taatttgtgt tatctcttgc caaaaaaaa 2460
aaaaaaaaaa aaaaaaaang ggggg                                     2485

```

<210> 772

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<400> 772

```

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accgtggggc ctacacagcat tgcctcacct ccgaggataa ggacagtcac agacagacc 180
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aactacattg agtctccaga tcgagaaaacc atcctggacc ccaaccttca ggcaacactt 300
taagggttgc gcaatcactg tcacccccgg acagcagaac gcttggcacc agcttatctt 360
tagctccctc ttctccnct tctcctctct tccaagagca cttggctctt ccagccccaa 420
ggaggagaac ca                                     432

```

<210> 773

<211> 1048

<212> DNA

<213> Homo sapiens

<400> 773

```

gaaaaaatta aaagaaaaa ttgttttgaa aatgtacaga tcaagtccaa ttttttgatt 60
atccacctgc atgtttttatt aaatatattg ataattggga tgtttacact ttgcatgata 120
ttagcagagt accactagta atgcacaaac atgtacaata tggtcattca taaccgattt 180
ttatagaata ctttttacat gtgcaactcc atccggttatg taaggattac atgaattattg 240
cacattccct tcgtgtttca caaacccatt tatacatatt tcttagtgag gtcatttgta 300

```

```

catgtattga agctagaatc gagtcaagaa aaataaagcc ccattctcca actgcacaaat 360
gtgctttccc ataatgaaca ctagtcacca gcacagaata atctccaaca ttttctaaat 420
tctaattgccc aactgtttct atttataatt gatttatatt tcatttgagg tctgttacat 480
ggcagccttag gcagactaga tcttgttttt tcccaatgca gcataatgag tatgatctat 540
ttcttttcaa ataactcttg agatcccagg aaaaaaaaaa tgctctgctc cattgagcta 600
taagttaaat gtgtttgttt aaaaaacagg tgaggcaagt gagtgtatta ttgttcttga 660
ggaggtatat ctgatttttt ttctcactac ccaaaagcta gtccctactc tttataaaaa 720
ataatgggta actttttgtt ttctcactag gaacttccat gacatttctt ttctatgtag 780
tgtgattaat gcaatacata ttatagttaa ctatcacag tgtaagattt aacaaactga 840
aatgatccac ctcatatgtg agtccgtcca aaagatgtta ctgctctggg tggggccagt 900
ttctatatcg gttatactaa ctttctatta aagtatttat tctaaaatgc ctcctgagaa 960
cagtaaaaaa taaaaaacac aagttgtcta aaatgcaaca gcttttatag taaatgtaca 1020
tttataaata aaatactcaa atcaaaaaa 1048

```

```

<210> 774
<211> 1019
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (971)
<223> n equals a,t,g, or c

```

```

<400> 774
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tacagccacg atcgscacac tacagaagaa cgcgccagcc gcggcccgccg ctgtatggagg 180
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agtgaagaat gttagcagat ttatttctga attattttat atacatgaag ttttactagt 420
ttttttaaag ctattttcaa cttagcatgc ctacgttcat acatttccaa aagactttgca 480
atgggttcgt ccttcatctc atctttttaa aatttgtatg ctgtactaca tttgtataga 540
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ctgcactcca gagatttcta tttttagtag ctttcaataa tatacact atattattaaa 660
aaagcacact tgaggagcta gggaaactatt ttgaaaaata tatacaatat ttaagatac 720
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cawttttaaa atgrgtaaaa ccycgtgatt tcygctggca ttaagggtkg atggcttctc 840
catgtatcat catggcgcta ctatttttta aaagaaatta aacactggat ctctccttaa 900
gccaacattg aaaagactg ccgcacttct gaggccaac actggaagac tctcctttgc 960
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```

```

<210> 775
<211> 2248
<212> DNA
<213> Homo sapiens

```

```

<400> 775
gggcccggcg cgtaggaagg cacggccggc ggcggcggag cgcagcgatg gccgggagg 60
ggggcagcgc gctgctggct ctgtcgggg cactggctgc ctgcgggtgg ctccgtggcg 120

```

```

ccgaakccca kgaacccggg gcgcccggcg cgggcatgag cggcgccgg cggtgcgagc 180
aagaggacgg catctccctc gactaccacc gctaccocga gctgcgcgag cggtcgtgtg 240
ccgtgtggct gcagtgccacc gccatcagca ggattttacac ggtggggcgc agcttcgagg 300
gccgggagct cctggtcctc gactgctcgc acaacctcgg cgtccatgag cctggtgagc 360
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ttttcttggc ccagtaccta tgcaacgaat accgaagggg gaacgagaca attgtcaacc 480
tgatccacag taccocgcat caccatcatgc cttccctgaa cccagatggc ttgtgagaag 540
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ccaatctcca tggaggagac cttgtggcca attatccata tgatgagacg cggagtggta 840
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acactactta aaagttagg gttttctctt ggttgtagag tggcccgaaa tgcattctg 2160
aatgaataaa ggttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2220
aaaaaaaaaa aaaaaaaaaa aactcgag 2248

```

<210> 776

<211> 1605

<212> DNA

<213> Homo sapiens

<400> 776

```

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gggatccttg tggcccttcc ggtcgrtgga accaatccgt gcacagagaa gccggggcga 180
ctgagcgagc tgaagtggac tctgagggct accgctacgc cactgtgctc ggcaggggag 240
tggagggcag agggccgcgg agggccgcag tgcaaacatg gtcacagaga gagacggcgg 300
aaacccgctt gccgagccca gcgagcttga caaccccttt caggacccag ctgtgatcca 360
gcaccgacc gcggcgagct atgccacgct tgacgtctac aaccttttgg agacccggga 420
gccaccacca gcoctatgag ctcacgcccc tgcgccattg cctccacctt cagctccctc 480

```

```

cttcgagccc tcgagaaaag tcagcccccac agaaccctaag aactatggct catacagcac 540
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gaaggcagag gaggctggacc gaaggagcga gagctgcagc atgctgccct gggaggcaca 660
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```

<210> 777

<211> 1808

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<400> 777

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ctccccagta ttgccaggtc atccaccggc tgcccatgcc caacctgaag gacgagctgc 300
atcactcagg atggaacacc tgcagcagct gcttcgggtg tagcaccagg tcgcgcacca 360
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agcctgcaca caatgtcatg atcagcactg agtgggcagc tccaatgtc ttacagatg 720
gcttcaacc cgtgatgtg gaggtctgac tgtacgggag ccacttatat gtatgggact 780
ggcagcccca tgagattgt cagaccctgt ctctaaaaa ggggttatt cccttggaga 840
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cagagccctc agtggctcaag ggaaaacggg tggctggagg cctcagatg atccagctca 1260
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<210> 778

<211> 1484

<212> DNA

<213> Homo sapiens

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<222> (1405)

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<221> misc feature

<222> (1479)

<223> n equals a,t,g, or c

<400> 778

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gcttgagttt tgattcatca tggataatct gtcatacaga gaaattcaac agagagctca 180
ccagattact gatgagctc tggaaaagta caggagaatc ctgggttttag ccattgagtc 240
tcaggatgca ggaatcaaga ccatcaactat gctggatgaa caaaaggaaac aactaaaccg 300
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agaactcaac aaatgctgtg gcctttgtgt ctgccatgt aatagaacaa agaactttga 420
gtctgccaag gcttataaga caacatgggg agatggtgga gaaaactcac cttgcaatgt 480
agtatctaaa cagccaggcc cggtgacaaa tggtcagctt cagcaaccaa caacrggagc 540
agccagtggt ggatacatca acgcataaac taatgatgcc agagaagatg aaatggaaga 600
gaactctgact caagtgggca gtatcctggg aaatctaaaa gacatggccc tgaacatagg 660
caatgagatt gatgctcaaa atccacaat aaaaacgaat acagacaagc ctgacaccaa 720
cagagatcgt attgatattg ccaatgccag agcaaaagaa ctcatcgaca gctaaagcta 780
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caacgttttt gttaggcctc acagttttgc aacctctgct ccaaaagrgaa aaatagratg 1380
agttttcttt cttttttttt ttttngggag tcagagtctc gctcyctgk ccmrggctgg 1440
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<210> 779

<211> 1343

<212> DNA

<213> Homo sapiens

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<400> 779

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agggatggaa ggcactgaga tgggggcccc tccaggcgga cccccgaga aatggagctt 240
tgtgtggtct cttgcactct ggcctgctct tgcctctctc gtgtctctct tcttgggtct 300
ctcctctctc cctctcagc ctggtctctt tctttggtgc acacttagtt atgtgtgtga 360
gcaatggaaag tcaaaaggaa ctcctctctc agctctctct aatcttgga caccgctaa 420
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tagcaactga tgtgggtgct tttttttttt ttttaattg aataaaaaa attagaagt 540
atgtcctttt ataaaaagcc tctctccctt tcccgctac agtctctct tctccctta 600
gaggggggaa agtgtataaa cctacagggt tgtgagctg aaaagaggat cccctcacc 660
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gataattttt atactgcat tttatggatt attttgtaat gtgtgatctc gtctgctgag 1020
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cgcaccggcg atgggatgtg gaggtggcg acacacctg tgccctctca aggtctggcg 1140
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tctagccaga agggaggggt agggtagaag aaagtatttc ccgaagaaaa aaagaatgaa 1260
aagtcatgt actgaaactg ttttatattt ttaaaagtta ctatttaaa gtnaaaaaaa 1320
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<211> 453

<212> DNA

<213> Homo sapiens

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agacactgtc tctacaaaaa aaaggaagga agggacacat atcaaaactgn aacaaaaatta 180
gaaatgtaat tatgttctaa gtgcctccaa gttcaaaact tattingaatg ttgagagttt 240
ggttacggaa ttcggttngg ggggccaaaag ggttggttta gnttttnaat nccggtntnt 300
ttcgggnaac ccttgggaat ttttggggct ccttgtagnn ncccccttt nggagggggg 360
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<210> 781
<211> 498

<212> DNA
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aagagagcga gaccctgtct caataaataa ataataaat aaataaataa ataaataaaa 180
acaaagttga ttaagaaagg aagtatagcc caggcacagt ggctcacacc tgtaatccct 240
gcattttgga aggctgaggg aggaggatca ctttaggcct ggtgtgttca agaccagcct 300
ggtaaacata gtgaggacac tgtctcttac caaaaaaagg agggaaaggga cacatttcaa 360
atgaaacaaa ttagaatgtt atttatgttc taagtgcctc cagttcaaaa ttttttggat 420
ntttgagntn tggttacgga atacgttagg gggccaaang gatttgtaag tctttaatgc 480
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498

<210> 782
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<212> DNA
<213> Homo sapiens

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<400> 782

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tcctgcctcc gccctctgag tagctgggat tataggcaca caccaccacg ccagctaat 180
tttttgtatt tttagtagag acagagtctt accatgttgg ccaggtggt cttggaactc 240
ctggaccctt tggatccacc caccctcgcc tccagagtg ctggggatta cagggcattg 300
gccaccacg ctggggctna aggaacacct aanttttatg tttcttgggn tcaaaaacca 360
gtttccattc nnaangttgt ctcacaagan gggtantggt ggtggagaca gcaggggagg 420
gagggaagag ngtggtttgt aantggttca antcaggcan taagcgattt tagctttaat 480
ttaaagtctt cngtccagnt ttaagcactt ggttaagacag ggctggaagt agcttttca 540
a
541

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<210> 783

<211> 586

<212> DNA

<213> Homo sapiens

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agcgggctga cgggcgcacg gtcaagatgn aggtggacta cagcgccacg gtggatcagc 180

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gcctaccgga gtgtgcgant agccaagga ggaagacttc aagaagtcac tgaaccctt 240
ctctctctgg aaaagcagac tcgtactgct tcogatatgg tatcgacac ccgtatctta 300
gttgccagta gtggaagatg tgctaatgan ggctaaaaga atgggattta anttaatgna 360
aaatgattat gcntttgtcc caaaaggcgg attcagttta aaacaagctg ttgcccaaaa 420
tggttncaac atgencgtac nttatgtttg aaggaaantc acagaacntt cccatccaaa 480
cnttngattn aattgataat cccacgaatg ggtttaccga ggccaagatt ttatgttgga 540
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<210> 784

<211> 226

<212> DNA

<213> Homo sapiens

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<222> (208)

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<400> 784

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aagcgtgaca ttcaggaaaa cgatgaagag gcagtgcgaag tcaaaagca gagcatcctg 180
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<210> 785

<211> 356

<212> DNA

<213> Homo sapiens

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gagcagggtt tccccttgga cctcggagca agtttcaccg aagatgctcc cccganecen 180
agtgcctggt gaggaggag aactggtgtc cacagaccg aggcccgcca gctacagttt 240
ctgctccggg naangtggtg gcattaaagg tgagacttcg acgcccactc cgaagcgctc 300
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<213> Homo sapiens

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ccctctgcag caatggccac cggcgggctg ccacacggac ttccccctgg ggacggcant 180
tccccagcag gacttaccac ggaccctggg tcttgaggga agtgtgagc agcaggggac 240
tggtcaccct gccctgcccgg ttctctnccg gggttccatc cccacccggg ggcccaattt 300
acctatnct ttctcngncc ccattcagat gcagccgnaa gttnccgnnn gttncattaa 360
ccaagggggt tatgccaaacc ggttcttgga tgccaaagga ggcccaagtc aaaggggggn 420
aaggaggttg tgggccccgg aaaaggaccg gcaaccanat tttgattang gggtttgga 480
aaaacnttca aaaaagggggt ttcccantt tt 512

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cctcctgcgcc aggcctccga catggacatc ttccagcaac agatctcgag aagacagctg 120
gctaaaaatcc ttatttgtcc ggaagttga tccaagaaaa gatgccact ccaatctcct 180
atccaaaaag gaaacaagca atctatacaa attacagttt cacaatgtta aaccggaatg 240
cctagaancca tacaacaaaa ttgtcaaga ggtgttgcca aagattcacg annnataaac 300
actacccttg tactttgtgt gggggacttg gnaacacgt 339

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<212> DNA
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gcgtctgccc tggagcagtt cgtgaacagt gtccgacagc tctcagctca aggtttgtga 120
agttttctat gcccagtggt cctgacttcg aaacgctatt ctcacagggt cagctcttca 180
tcagcacttg taatggggag cacattcgat atgcaacaga cacttttgct gggctttgcc 240
atcagctaac aaatgcactt gtggaaagaa aacagccctt gcgaggaatt ggcctcctta 300
agcaagccat agacaagatg cagatgaata caaaccagct gacctcaata catgntgatc 360
tgtgccagct tgtttgctag caaaaangnct tnagctngcc cttca 405

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 cggggaattcc cgggtcgacc cagcgtccg ctctctgccg tcgcgtttgc acctcgctgc 120
 tcacacctctg gggcgcatcc caacctcca gcctgcgacc tgcggagaaa aaaaattact 180
 tattttcttg ccccatacat accttgaggc gagcaaaaaa attaaatttt aaccatgagg 240
 gaaatcgtgc acatccaggc tggtoagtgt ggcaaccaga tcggtgccaa gttctgggag 300
 gtgatcagt atgaacatgg gcatcgacc caccgggcac ctaccacggg ggacagcgac 360
 ctgccagctg ggaccgcatn ttctgtgtac tgacaatgga agccacaggt ggnaaatgat 420
 gtttctctgt ggccatcctg gtgggatctn agaactggg naccatgga tctggttng 480
 ttcagggtccc ttttgggcca ntgttttaga ccangaa 518

<210> 790
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 790
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 cctacagcta tcgccaatgc tcggccaagt cgtctctcgg aggcctgggc ggcggctccg 120
 tgcggttttg gcgggggggc gcttttcgag cgcccagcat tcacgggggc tcggcgggcc 180
 cgggcgatc cgtgtctccc gcccgctttg tgtctctgct ctctcgggg ggctacggcg 240
 gcggctacgg cggcgctcgt accggtccg acggggtgct ggcggggaac gagaagctaa 300
 ccatgcagaa cctcaacgac cgctggcct cctacctgga caaggtgcgc gccctggaag 360
 cggccaacgg cgagctagag gtgaaa 386

<210> 791
 <211> 470
 <212> DNA
 <213> Homo sapiens

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<222> (402)
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ttttgctttg ctggacttct tataggccag actgaagtg atcatcatgac tnatgtctaca 120
caggctatat ttgaaatact ggagaaatcc tggttgcccc agaattgtac actggttgat 180
atgaagattg aatttgggtg tgatgtaacc accaaagaaa ttgttcttgc tgatgtattt 240
gacaatgatt cctggagact ctggccatca ggagatcgaa gccaacagaa agacaaacag 300
tcttatcggg acctcaaaga agtnactcct gaagggctcc aaatgggtaaa gagaaacttt 360
gagtggtgtg cagagagagt agagttgctt ttgaaatcag anagtcagtg cagggttgta 420
gtgttgangg gctctacttc tgatcttggt cactgtgaaa aaatccagga 470

<210> 792
<211> 428
<212> DNA
<213> Homo sapiens

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ccgggcattg ctgacaggat gcagaangag atcaccgccc tggcgcccag caccatgaag 120
atcaagatca tcgcaccccc agagcgcaag tactcggtgt ggatcggtgg ctccatcctg 180
gcctcactgt ccaccttcca gcanatntgg attacaagca ggagtacnac aantcgggnc 240
cctccatcgt ccacgcgaaa tgcttctaac ngactcncan atgettacca ttgctgcatg 300
ggttaattaa naataaaaaan ttgccctg gcaaatgcac acacctcatg cttacctccc 360
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nnccttgg 428

<210> 793
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ccgtctctgca gcagtcctgcc tcctctttca acatgacaga tgccgcgtgtg tccttcgcca 120
aggacttctt gccaggtgga gtggccgcag ccactctcaag acggcggtan gccatcgag 180
cgggtcaagc tgctgctgca gtgcaatgc cagcaagcag atcactgcag ataagcaatg 240
caaaaggcatt atagactgcg tggcccgat tcaccaaggag caggattctg tccttctggc 300
gcnctaactg gccatgtcat cagatantnc ccancagggt tccttaatttc gnccttcaag 360
nttaatacaa gcanatnttc nggggtggtg tggnacanga gaaccattt tggggctaan 420
ttgcagggaa ttgtggcatc ggtgtgttcc ncgggggcca aattccnggg ttttngntaa 480
cccttggaat ttgccgtaa ccgtttaana ttgatttggg gnaaaa 526

<210> 794
<211> 458
<212> DNA
<213> Homo sapiens

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ggacctcctg gattggcagg ggcgccagga cttagagggtg gaactgggtcc ccttgggtccc 120
gaaggaggaa aggggtgctgc tggctcctct gggccacctg gtgctgctgg tactcctggt 180
ctgcaaggaa tgcctggaga aagaggagggt cttggaagtc ctggtccaaa ggttgacaaq 240
ggtgaaccag gcggtccagg tgctgatggt gtcccaggga aagatggccc aagggggtcct 300
antggtccta ttggctctcc tggcccagtt ggccagcctg gagataaagg gtgaagggtgg 360
tgcccccgga ttccangta taagtgggac ctgtggttag cctggtgaga gaggtgaaat 420
ggccttnacg gacngttggt ttncctggtg ttctctgga 458

<210> 795
<211> 497
<212> DNA
<213> Homo sapiens

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<221> misc feature

<222> (485)

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ctcagcccg cagagccgag ttccgtggt gtgagtaagt ccgggccgt gtccccctc 120
ccgccccgc catgggctgc acgttgagcg ccgaagacaa ggccggcagt gagcgatgaa 180
gnatgatcga ccgcaactta cgggaggacg gggaaaaagc ggccaaagaa gtgnaagntg 240
ctgctaactc ggtgctggag aatctgggta aaagcaccat ttgtgagaca gatgaaaate 300
atttcagag gntgggtatt cagaggtnga atgttaaaca atattaaagt tagttntttt 360
ncagcatnnt tgttncagtg cntcattgc aatnttnagt ggccttggga ngggtnaaaa 420
aattgatttt ggggaantnt cncagggcaa ttgttgcccg gcaattnttt ntntagntn 480
gtcanttttt tngaggg 497

<210> 796
<211> 497
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (442)
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<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
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<222> (485)
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tagataaggc tggcacctgg gcccccggg agctgggtgct ggtgggtccag gtgcataacc 180
ggcccgaata cctcagactg ctgctggact cacttcgaaa agcccagggg attgacaacg 240
tcctcgcat ctttagccat gattctgggtc gaccgagatc aatcagttga tcgccgggggt 300
tgantctctg tccgggttttg cagggtgttn tttnttttc aagcattcaa ttgttancct 360
aacgagtttt ccagtaagtg gaccncagag gattntccc agagaacntn ccgaagaatg 420
ccctttttna aattgggggc ancaaattga ggtttcccgn tttttgggca ttttaaggggg 480
ggcnaattt ttccagg 497

<210> 797
<211> 589
<212> DNA
<213> Homo sapiens

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<220>
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<222> (536)
<223> n equals a,t,g, or c

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<222> (538)
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<220>
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gacgtcatag ctcttctata gagtaccta aattcaattc actggcgcgtc gttttacaac 120
gtcgtgactg ggaataaccct ggcyttaccc aacttaatcg ccttgcaagca catccccctt 180
tcgccagctg gcgtaaatagc gaagaggccc gcaccgatcg cctttcccaa cagttgcgca 240
nctgaatggc gaatgggacg cgcctgttag cggcgcatta agcgcggcgg gctggtggtg 300
tacgcgcagt gaaccgctac actgcccagc gccctagcgc ccgctccttt cgctttcttc 360
ctctcttttc tcgccacggt cgcgcgcttt ccccgtaag ctctaaatcg ggggctcctt 420
tanggttcgc atttagtgct ttacgggcac ctgcacccca aaaaaacttg attangggta 480
atggttcacg tantngggcc atcgccctga tagacgggtt ttgcctttg acgttngngt 540

ccacggtctctt aataaagtggg atcttggtca aaactggaan aacactcaa

589

<210> 798

<211> 169

<212> DNA

<213> Homo sapiens

<220>

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<222> (23)

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<222> (28)

<223> n equals a,t,g, or c

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<222> (42)

<223> n equals a,t,g, or c

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<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<400> 798
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atccaagctt acgtacngcg catgcacgtc atagctcttc tatagtgtca cctaaattca 120
attcaactggc cgtcgtttta caacgtcgtg actgggaaaa cncntngnn 169

<210> 799
<211> 112
<212> DNA
<213> Homo sapiens

<220>
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<222> (24)
<223> n equals a,t,g, or c

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<220>
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<400> 799
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agctaaattc aattcactgg ccgtcgtttt acaacgtcgt gantgggaan nc 112

<210> 800
<211> 424
<212> DNA
<213> Homo sapiens

<220>
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<220>

<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
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<222> (391)
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<220>
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<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
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gtcagatcc cattcaactc agacgcttac ctgtaattct gatggcgaat ggggtataaa 120
caccttctgt atctacaac gatgcagaca ccaggagag ttacgtaatg ggcaagtaga 180
gattaagaca gatttatctt ttggatcaca aatagaattc agctgttcag aaggattttt 240
cttaattggc tcaaccacta gtcgttgga agtccaagat agaggagttg gctggagtca 300
tcctctccca caatgtgaaa ttgtccaagt gtaagcctcc tccagacatc aggaatggga 360
aggcacagcg gnngaagaaa atttctacgc ntaanggggt ttctgtcacc taaagntggg 420
accc 424

<210> 801
<211> 249
<212> DNA
<213> Homo sapiens

<220>
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<222> (36)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
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<222> (74)
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<220>
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<222> (101)
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<220>
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<220>
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 <222> (122)
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <222> (242)
 <223> n equals a,t,g, or c

<400> 801
 ggcagggtcca cctggaccag gtggaggtgg ccagcnggct gaccctgtgc aaggagggtc 60
 gtnaggcccat tgtngacaca ggcacttccc tcatgggtggg nccggtggat gangtgccgc 120
 antgcagaag gccatcgagg ccgtgccgnt gattcanggc gagtacatga ncccctgtna 180
 gaaggtgtcc accctgcccc caatnacact gaagctggga ggcaaaaggct acaagctgtc 240
 cncagagga 249

<210> 802

<211> 402
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (344)
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<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 802
acccacgcgt ccgccacgc gtcccgacg cgtgggtcga cccagcttcc tagggcccta 60
gaaactctga caggtgcctt attccagcga ccccccactta ttgctgcagt aaagggcag 120
ctccgagtga ggaccatcta cgagagnana aatgattgaa tacgatcctg aaagaagatt 180
aggaatcttt tgggtgagtt gtgaggctgg cactacatt cggacattat gtgtgcacct 240
tggtttggta ttgggagttg gtggtcagat gcaggagctt cggagggttc gttctggagt 300
catgagtgan aaggaccaca tngtgacaat gcattgatgtg ottnatgctc agtggtctgta 360
tgntaacacc aaggatgaga gtnacotgcy gggagtttgt ta 402

<210> 803
<211> 542
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
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<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
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ccacagcggt ggctgccggg cgtgggtgtcg gtgggtcggt tggtttttgt ctcaccgcttg 120
gntnccgtgc cgttcagttg cccgccatgg ctgagctgga tccgttcggc gccctgccc 180
gcgccctctg ggtncccgcg ctggggaacg gatgnccggc gccggcgcaag aagaccggcg 240
tcggcgcttc ttggcgcaaa gnagaagcga gattgcgggc atcgagaacg acgaggcctt 300
cgccatcccg gaaccgcggc gcccccgggc cccaaccgca aggaaagtcc ggcgnggggt 360
tcgcatctg ttgnatggan taatgnaatg gtggattatn acnagnaataa taatggttcc 420
aacanaaatt atgcagtatt tcaaaatgga tcgattgcatt caaaacctga aatatcctaa 480
atggaganag aaaaatggaan nttgaancct taagccaatt tcggaancaa aaacaaatgg 540

aa

542

<210> 804
<211> 422
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<400> 804
agangaccgg cagcctgtac ctgggcagca gatgaccctg aagatagagg gtgaccacgg 60
ggacnnncn ngtagctgtg gccgtggaca agggcgtgtt cgtgctgaat aagaanaaca 120
aactgacgca gagtaagatc tgggacgttg tggagaaggc agacatcggc tgcaccccg 180
gcagtgggaa ggattacgcc ggtgtcttct ccgacgcagg gctgaccnnc acgagcagca 240
gtggccagca gaccgcccag anggcagaac ttcagtgcgc gcagccagcc gcccgccgac 300
gcngttccgt gcagctcacg gagaagcgaa tggacaaagt cggcaagtac cccaaggagc 360
tgngcaagtg ctgcgaggac ggcattcggg agaaccocat gaagtctctg tgcaggggcg 420
gg 422

<210> 805
<211> 566
<212> DNA
<213> Homo sapiens

<220>
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<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 805
cgagctgacc ctgatcaggg ccgagttgtc tcggcggcgc tgccgaggcc tccacccggg 60
gagggtggtt accgctgagg agctgcagtc tctgtcaaga tgatagaggt actgacaaca 120
actgactctc agaaactgct acaccagctg aatgccctgt tggaaacagga gtctagatgt 180
cagccaaagg tctgtggttt gagactaatt gagtctgcac acgataatgy cctcagaatg 240

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actgcaagac taagggaactt tgaagtaaaa gatcttctta gtctaactca gttcttggt 300
tgacacagag acatttctct agctgtgaat tactggacag antcctgtct aaaaatgaang 360
tacagcccaa gcaactgggt gtgttggaact gagctgcttt tatttggtg taaaatcaat 420
agaagaggaa aaggatgtcc cattggcaac tgacttgatc cgaataagtc aatataaggt 480
tacgggttca gactgatgag aatgggaaaa attgtattng agaaggtgtg ttgggaagtc 540
aagctactaa tgcctttcaa ttctgc 566
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<210> 806

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<400> 806

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cttcgacccc gccggaggag gagaccccat tctataccaa cactattctt gatttttcgg 120
tcaccctgaa gtttatattc ttatcctacc aggcctcgga ataactccc atattgtaac 180
ttactactcc ggaaaaaaag aaccatttgg atacataggt atggctctgag ctatgatatc 240
aattggcttc ctagggttta tcgtgtgagc acaccatata ttacagtag gaatagacgt 300
agacacacga gcataattca cctccgctac cataatcatc gcttatcccc accggcgctca 360
aagtattagc tgactcgcca canttccacg ggagcaatat gaaatgatct ggctgcagtg 420
ctctgagnc c taaggant 438
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<210> 807

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 807
ctcgtgccga attcggcacg agaaactttc ctcactatct gtttcacccg ccaactaata 60
tttcacttta catccaaaca tcactttggc ttogaagccg ccgcctgata ctggcatttt 120
gnacatgtgg ttgactatn tccgtatgtc tccatctatt gatgagggtc ttaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaancccg ggggggggcc nggacc 236

<210> 808
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 808
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gtgtgaactg cagcctgagg agaagtgctg tgtggtgggc actctgttca aggccatgcc 120
gctgcagccc tccatctctgc gggaggtcag cgaggagcac aacctgctcc cccagcctcc 180
tcggagtaaa tacatacacc cagatgacga gctggtcttg gaagatgaac tgcagcgtat 240
caaaactaaaa ggcaccattg acgtgtcaaa gctggttacg gggactgtcc tggctgtgtt 300
tggctcctgt agagacgaag ggaagtctct ggtggaggat tattgctttg ttgaccttgc 360
tcccagaag cccgnacccc cattgacaca gttaggttnt gttantgggt tccggcctgg 420
gcctgggtgg cgttgagggc gagagctgt tgggcaccca ttgttggtgg atntgggtgac 480
ggggcagttt ggggacgaag ggnagcatgc ancgngcca agtttcccg ttatctctgt 540
tгнаacttct aa 552

<210> 809
<211> 380
<212> DNA
<213> Homo sapiens

<220>
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<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 809

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ggcggaagc ggagaccatg ttccgagcgg cggctccggg gcagctccgg cggcgggcct 120
cattgtacg atttcagagt accctggtaa tagctgagca tgcaaatgat tcctagcac 180
ccattacttt aaataccatt actgcagcca cagccottgg aggtgaagtg tcotgcttag 240
tagctggaac caaatgtgac aaggtggcac aagatctctg taaagtagca ggcatagcaa 300
aaagtctcgg tggctcagca tgaatgtgta caagggotta ctccagang gaactgaana 360
cnaatnatttt tggaaacton 380
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<210> 810

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

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gctcctgtac gaggggcccc cgagcagcga ggctgccatg ggcattaaaa gctgtgaccc 120
caaaggccct cttatgatgt atatttccaa aatggtgcc aacctcgaca aaggtcgggt 180
ctacgccttt ggacgagtct tctcggggct ggtctccact ggctgaagg tcaggatcat 240
ggggcccaac tataccctcg ggaagaagga ggacctctac ctgaagccaa tccagagAAC 300
aatcttgatg atgggccgct aagtggaaag ccacggaagg atgtgccttg tngggacatt 360
ttgggcctcg tggcggtgga ccantccttg tgaaaacggg naccannaac aacttc 416

<210> 811
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (714)
<223> n equals a,t,g, or c

<400> 811
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gtggctgggt gcatctacgg ggttttgaac aggaagcggg gccacgtgtt cgaggagtcc 120
caggtggccg gcaccccatc gtttgggtc aaggcctatc tgcccgtcaa cgagtccctt 180
ggcttcacag ctgacctgag gtccaacacg ggcggccaag cgttccccca gtgtgtgttt 240
gaccactggc agatcctgcc cggagacccc ttgcacaaca gcagccgcgc cagccagggt 300
gtggcgagaga cccgcaagcg caaggccctg aaagaaggca tccctgccct ggacaacttc 360

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ctggacaaat tgtaggcggc ccttcctgca gcgcctgccg ccccggggac tcgcagcacc 420
cacagcacca cgtcctcgaa ttctcagacg acacctggag actgtcccca cacagcgacg 480
ctccccctgag aggtttctgg ggcgcgctgc gtgccatcac tcaaccataa cacttgatgc 540
cgnctctttc aatattttatt tccagagtcc ggaggcagca gacacgcctt cttagtaggg 600
acttaatggg ccggtcgng agggggaggg gggatgggac acccaacact tttttcattt 660
cttcagangg naaacttcag atgtccaaac taattttaac aaacgcatta aganggttaa 720
tttgggtaca atggggccga atggett 748

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<210> 812

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 812

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tctagaacta gtgatcccc cgggctgcag gaattcgcca cgagcacaaat ttgcgcgctc 120
tctttctgct gctccccagc tctcggatac agccgacacc atgggtttcg gagacctgaa 180
aagccctgcc ggctccagg tgctcaacga ttacctggcg gacaagagct acatcgaggg 240
tgatgtgcca tcacaagcag atgtggcagt atttgaagcc gtgtccagcc caccgcctgc 300
cgacttgtgt catgccctac gttggtataa tcacatcaag tcttacgaaa aggaaaaggc 360
cagcctgccca ggagtgaaga aagctttggg caaatatggt cctgccgatg tggaagacac 420
tacaggaagt ggagctacag atagtaaaga tgatgatgac attgacctct ttggatctga 480
tgatgaggag gaaagtgaag aagcaaaagag gctaagggaa gaacgtcttg cacaatatga 540
atcaaaagaaa gccaaaaaac ct 562

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<210> 813

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
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<222> (20)
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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ctgcgacttg tgttgggact ggaagatgtc ttcaggaaat gctaaaattg ggcacccctgc 180
ccccaaacttc aaagccacag ctgttatgcc agatggtcag tttaaagata tcagccctgtc 240
tgactacaaa ggaataatag ttgtgttctt cttttaacct cttgacttca cctttgtgtg 300
ccccacggag atcattgctt tcagtgatag ggcagaagaa tttaaagaaac tcaactgcc 360
agtattgtgt gcttctgttg attctcactt ctgtcatcta gcatgggtca ataca 415

<210> 814
<211> 316
<212> DNA

<213> Homo sapiens

<220>
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ntgctgccca ttgcctaaag aagaatagcc aggnctgggt gggtcggcac aacctgnttg 180
agcctnaaga cacangccag agggteccctn tcageccacag ctteccacac ccgctctgac 240

aatantnagc cttttctgaag catcaaagcc ttagaccagn tgaagactcc agccatgacc 300
tcangctgct ccgnct 316

<210> 815

<211> 507

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (265)

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<220>

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<222> (279)

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<222> (309)

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<222> (349)

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<222> (358)

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<222> (385)

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<222> (399)

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<222> (437)

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<222> (466)

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<220>

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<222> (486)

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<220>

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<222> (506)

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<220>

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<222> (507)

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aacgccgcga tggctgcgca gggagagccc caggtccagt tcaaatagg taaccctgcg 120
ggcgggaggc ggcgcagccc gaccgcgtgc gactcgcggg tccctccctc tggggccacg 180
atggctgtaa tggggccccc catccacatt cttgtttta agtgagcctg tgggtgttaa 240
agttccgtga ctctgggac ttganagggt aatgtttang gtttacttcc aaaatgtgtt 300
tttcaacanc ttgtaatggt tgggtgatgg gttaanggga aaaacgaent cgtggaantg 360
catttgactg gtggaatttg agaanaatgt gttagccanc ttgggtgttg gaggttcaac 420
ccccaatgtt tccacancaa cagaggaccc attaatgtca atgtantggg acacagccgg 480
ccaggngaatt tccgtggact ggaaann 507

<210> 816

<211> 551

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 816

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gcgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagc aggcattgcag 120
aaggctgacg tctatagctt tgggatcctc ctgcaggaga tagcacttcg cagtggctct 180
ttctacttgg agggcctgga cctcagcccc aaagagattg tccagaaggt acgaaatggt 240
cagcggccat atttccggcc aagcattgac cggacccaac tgaatgaaga gctagttttt 300
ctgatggagc gatgttgggc tcaggaccca gctgagcggc cagactttgg acagattaag 360
ggcttcattc ggcgctttaa caaggagggt ggcaccagca tattggacaa cctcctgctg 420
cgcatggaac agtatgccaa taacttgag aagctggtgg aggaacgcac acaggcctat 480
ctggaggaaa aacgcaaggc tgaagctctg ctctacccaa tcctacccca ttcagtggca 540
gagcagttaa a
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551

<210> 817

<211> 386

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)
 <223> n equals a,t,g, or c

<220>
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 <222> (384)
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 tcctcttctg ctctgagtat cgcccaaaaa tcaaaaggaga acatcctggc ctgtccattg 120
 gtgatgttgc gaagaaactg ggagagatgt ggaataaacac tgctgcagat gacaagcagc 180
 cttatgaaaa gaaggctgctg aagctgaagg aaaaatacga aaaggatatt gctgcataatc 240
 gagctaaaag aaagcctgat gcagcaaaaa agggagttgt caaggctgaa aaaagcaaga 300
 aaaagaagga agaggaggaa gatgagggaag atgaagagga tgaggaggag gaggaagatg 360
 aagaagatga angatgnnna cacntg 386

<210> 818
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (304)
 <223> n equals a,t,g, or c

<220>
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<220>
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 <222> (362)
 <223> n equals a,t,g, or c

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 gaatgtaact gaaagataca tggcttgcaa aaagtaaacc acgatcggtta tgctgatcat 120
 accctaataga tccacagcaag ataatgtcct ttcttctaag atgtgcatca agcctgggtac 180

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atactgaaaa ccctataagg tcctggataa tttttgttg attattcatt gaagaaacat 240
ttattttcca attgtgtgaa gtttttgact gttaataaaa gaatctgtca accatcaaaa 300
aaaaaaaaaa aaaaaaacctg gggggggggc ccgnanccna ttggccctt tggggggggg 360
tntt                                     364
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<210> 819

<211> 462

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

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<222> (47)

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<220>

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<222> (68)

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<221> misc feature

<222> (134)

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<222> (299)

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<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (453)
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<220>
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<220>
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ggtgccgncgc gctctagaac tagtgatcc cccgggctgc aggaattcgg cacgagctcc 120
gccagacagc gggncaaagt gctggcccat ttctatgggg tgaagctgga gggcaaggtg 180
cccattgcaca agctgttctt ggagatgctc gaggccatga tggactgagg caaggggttg 240
gactggtggg ggttctggcc aggacctgcc ttatgcatggg gtccagcccc aagggctgng 300
gaggactggg gtctgggcat gccacagcct gctggcaggc caggggcatgc cntncceng 360
gggaacaggg cccacggcct ttcttccct tctaagggtt gtcaaaaact gggaactttt 420
ttccaggttt tgggcacatt gttgccctt tnnanncata aa 462

<210> 820
<211> 449
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)

<223> n equals a,t,g, or c

<400> 820

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ggagacgctg cagacccgcg acccgagca gctcggaggc ggtgaataat agctcttcaa 120
gtctgcaata aaaaatggcc tccaacaaaa ctacattgca aaaaatggga aaaaacaga 180
atggaaagag taaaaaagtt gaagaggcag agcctgaaga atttgtcgtg gaaaaagtac 240
tagatcgacg tgtagtgaat gggaaagtgg aatatttcct gaagtggaaag ggatttacag 300
atgctgacaa tacttgggaa cctgaagaaa atttagattg tcagagaattg attgaagcgt 360
ttttaactc tcagaaagct ggcaaaagaaa aagatgggtac caaaagaaaa tctttatctg 420
acagtggatc tgatgacagc aaacaaaga                                     449
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<210> 821

<211> 453

<212> DNA

<213> Homo sapiens

<220>

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<222> (29)

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<220>

<221> misc feature

<222> (392)

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<220>

<221> misc feature

<222> (409)

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<222> (430)

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<222> (433)

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<220>

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<222> (434)

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<400> 821

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gaaatggacc ccaactgctc ttgcgccact ggtggctcct gcacgtgcgc cggctectgc 120
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aagtgc aaag agtgcaaatg cacctcctgc aagaagagct gctgttcttg ctgccccgtg 180
ggctgtgccca agtgtgcccc gggctgcgtc tgcaaagggg catcggagaa gtgcagctgc 240
tggtcctgat gtgggaacag ctcttctccc atatgtaaat agaacaacct gcacaacctg 300
gattttttta aaaatacaac actgagccat ttgctgcatt tcttttatac taaatatgtg 360
actgacaata aaaacaattt tgactttaaa anaaaaaaaa agggggccnt ttgggggtccc 420
tgggggccan ttnnggggat cgggaaagt tcc 453
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<210> 822

<211> 474

<212> DNA

<213> Homo sapiens

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<220>

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<222> (260)

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<222> (330)

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<222> (367)

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<222> (455)

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<220>
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 taaaacactg aactgacaat taacagccca atatctacaa tcaaccaaca agtcattatt 120
 accctcactg tcaacccaac acaggcatgc tcataaggaa aggttaaaaa aagtaaaagg 180
 aactcggcaa atcttaccac gcctgnttac caaaaacatc acctctagca tcaccagtat 240
 tagaggcacc gactgcccac gtgacacatg ttttaacggcc gcggtaccct aaccgtgcaa 300
 aggtagcata atcacttggt ccttaattan ggacctgtat gaatggctcc acgaggggtc 360
 aagctgntc ttacttttaa ccagtgaata tgacctgncc ngaaagaggc gggcataaca 420
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<210> 823
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
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 gaataagaag ggaagagcta tctccctaac agactttctg gctgaggatg ggggtactg 120
 tggagggaag acctatgttt ccaaacagct cagctgggct gatgaaacgg atgacctgga 180
 aggagatggt tcgaccactt ggcacagtaa cgatgacgat gtgtataggc cgctccaat 240
 tgaccgttc atccttccca ctgctccacg ggctgctcg gaaccaata tcgaccggag 300
 ccgtcttccc aaatcgccac cctacactgc tttcttagga aacctaccct atgatgttac 360
 agaagagtca attaaggaat tcttctgagg attaaatc agtgacatgc gtttaccagg 420
 agnaccacgc aatccagaga ngttgaaagg tttgggtatg ctg 463

<210> 824
 <211> 599
 <212> DNA
 <213> Homo sapiens

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 <222> (9)
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<220>
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<220>
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<220>
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<220>
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<220>
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<222> (423)
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<220>
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<222> (486)

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<222> (581)

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<220>

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cgtcttgctg ctgatgactt tagaggcnag tatgagacag atctggccat gcgccantct 120
gtgganaacg acatccatgg gctccgaaag gtcattgatg acaccaatat cacacgactg 180
canctggaga gagagatcga ggnctctnang gaggatctgc tcttcatgaa naanaaccac 240
taagaggaan gancaaggcc tacaagccca nattgccanc tctgggntga ccgnggaggt 300
anatgcnccc aaatctcang acctgcnnna gancatggga gacatcccg ccgaatatga 360
cnagctggct cntaagaacc gagangaagc tagaccagta ctggtcttaa acanattnan 420
ganagcacca cagtggtcan cacacagtct gctgaagttg gaactgctga aacnacgctc 480
acagancetta gacgtacagg ccattccttg gaaatatgaa ctggacttca ttgaaatctc 540
gaangccctc ttgaaaaca accttgacgg gaagtggang ncccgntacg accttaciaa 599

<210> 825

<211> 500

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (415)
<223> n equals a,t,g, or c

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<220>
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<220>
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<222> (473)

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<222> (480)

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<220>

<221> misc feature

<222> (494)

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<400> 825

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cttttcccat catcgatgat aggaatcggg agcttgccat cctgttgggc atgctggatc 180
cagccagaga aggatgaaaa gggcatgcct gtgacagctc gtgtgtgtgt ttgttttgg 240
cctgataaga agctgaagct gctatccctc taccagcta ccactggcag gactttgatg 300
agatctcagg gtatccanc tctctccagc tgacanagaa aaagggttgc acccagttga 360
ttggagntg ggatagggtat ggctccacc ncctgagaga gcaaaaattt tccgnagagn 420
tnacaagngt ccttgccagan actcgtaaac cagctaaagn tgngagtgnn ttngcaagtn 480
taatcattt ttcngagac 500
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<210> 826

<211> 511

<212> DNA

<213> Homo sapiens

<220>

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<222> (274)

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<220>

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<222> (344)

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<222> (406)

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<220>

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<222> (449)

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<220>

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<220>

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<222> (467)

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<222> (490)
<223> n equals a,t,g, or c

<220>
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<222> (496)
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<400> 826
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ctttgaggcc aataccaccg tcggccgcac ccgtttccac gactttcttg gagactcatg 180
gggcattctc ttctccacc ctcgggactt taccaccagtg tgcaccacag agcttggcag 240
agctgcaaaag tggcaccaga atttgncaag aggnatgtta agttgattgc cctttcaata 300
gacagtgttg aggaccatct tgccctggagc aaggatatca atgnttaciaa ttgtgagggg 360
ccacagaaaag ttaccttttc ccatcatcgt gataggatcg gagttncat cctnttggnna 420
ngtnggtcca cagagaaggt gaaagggang ccttnagtc gtgtggngtt tttttggccc 480
gtnagaagtn aagtgtatc ttaccagtac c 511

<210> 827
<211> 519
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
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 <222> (500)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (517)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (519)
 <223> n equals a,t,g, or c

<400> 827
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 tagtctcgcc tcgggttgca atggacccca actgctcctg tgccgctgag gtgtctcctg 180
 caccctngcca gtccctgcaag tgcaaaagagt gcaaatgcac ctccctgcaag aagagctgct 240
 gtcctctgctg cctctgtgct gtgccaagtg tgcccagggc tgcatctgca aaggggcctc 300
 ggagaagtgc agctgctgctg cctgatgtcg ggacagccct gctcccaagt acaaatagag 360
 tgaccctgaa aatccaggat tttttgtttt ttgctacaat cttgacccct ttgctacatt 420
 cctttttttc tgtgaaatat gtgaataata attaaacact tagacttgaa aaaaaaana 480
 aaaaaanaaa aaaggggggn ccttttttagg gggttcnncn 519

<210> 828
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
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 <222> (14)
 <223> n equals a,t,g, or c

<220>
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<222> (21)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 828
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cccacgcgtc cgggagggga cacgggctca ttgcggtgtg cgcctgcac tctgtccctc 120
actcgcnccc gacgacctgt ctgcgcgagc gcacgccttg ccgcgcgccc gcagaaatgc 180
ttcggttacc cacagtcttt cgccagatga gaccggtgtc caggggtactg gctcctcatc 240
tcactcgggc ttatgccaaa gatgtaaaat ttggtgcaga tgcccagacc ttaatgtctc 300
aaggtgtaga ccttttagcc gatgctgtgg ccgttacaaat ggggccaaag ggaagaacag 360
tgattattga gcagagttgg ggaagtccca aagtaacaag agatggtgtg actgttgcaa 420
agtcattgac ttaaaagnaa at 442

<210> 829
<211> 504
<212> DNA
<213> Homo sapiens

<220>
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<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
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<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 829
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cggttaccca cagctcttgc ccagatgaga ccggtgtcca gggtaactggc tccatcatctc 120
antcgggctt atgccaaana tgtaaaattt ggtgcagatg cccgagcctt aatgcttcaa 180
ggtgtagacc ttttagccga tgctgtggcc gttacaatgg ggccaaaggg aagaacagtg 240
attattgagc agagttgggg aagtocccaaa gtaacaaaag atgggtgtgac tgttgcaaaag 300
tcaattgact taaaagataa atacaaaaac attggagcta aanttgttca agatgttgcc 360
antaacacaa ttgaggagct ggggatggca ntaccatgct actgttatgg cacgtctata 420
gccaaaggaag gtttcgagaa ggtagcaag gtgctaattcc atgggaatca ggagaggtgt 480
gatgttagng ttgatgctgt attg 504

<210> 830
<211> 582
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (11)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 830
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gctgtgtaat cattaaggag cggaggcttt tggagctgct aaaatgccgg attacctcgg 180
tgccgatcag cggaagacca aagaggatga gaaggacgac aagcccatcc gagctctgga 240
tgagggggat attgccttgt tgaaaactta tggtcagagc acttactcta ggcagatcaa 300
gcaagttgaa gatgaCattc agcaacttct caagaaaatt aatgagctca ctggtattaa 360
agaatctgac actggcctgg ccccaccagc actctgggat ttggtgcgag ataagcagac 420
actccagagt gaacagcctt tacaggttgc caggtgtaca aagataatca atgctgattc 480
ggaggaccaca aaatacatta tcaacgtaaa gcagtttgcc aagtttgtgg tggaccttag 540
tgatcagggtg gcacctactg acattgaaga agggatgaga gt 582

<210> 831
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 831
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ggccgctcag gcgctgcgg ctgggtgagc gcacgcangg cggcgaggcg gcacgtgttt 120
ctaggtcgtg gcgtcgggct tncggagctt tggcggcaact aggggaggat ggcggagtct 180
tcggataaagc tctatcgagt cgagtacgcc aagagcgggc gcgcctcttg caagaaatgc 240
agcgagacat ccccaaggac tcgctccgga tggncatcat ggtgcacgc ccatgtttga 300
tggaaaaagtc cacatggtac anttctcctg ctctctggaag tgggcaatcc atccgnanct 360
gactttaagt gannggtttc ttata 385

<210> 832
<211> 505
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<220>

<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
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<222> (497)
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<400> 832
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gcgatgctgg caacacggcg gctgctcggc tggctcgctc ccgcgcggac agcaccacaag 120
aaaacctcat ttggctcgct gaaggatgaa gaccggattt tnaccaacct gtacggccgc 180
catgactgga ggctgaangt tcctctgagtc gaggtgactg gtacaagaca aaggagatcc 240
tgcgaagggg gcccgactgg atcctggggc agatcaagac atcgggttta aggggcccgtg 300
gaggcgctgg cttccccaat ggcctcaagt gngnttcat gataaggcct cagatggcag 360
gcccaagtat ttggtggttn aacgcacaacg aggggggagc cgggnaactg naagaaccgc 420
ggggttttta ggccnggntc ttaaaaaagt tttagaggtt nctttgttgg gggncgggnc 480
atgggggccc ggttgnttat ttttt 505

<210> 833
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 833

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gccgctcctg gtgctgcttg tgtgctcggt tgggtgcggac ctggtacctc tttgtgaag 120
cggcagctga ggagactccg gcgctcgcca tggcccgacga aaagcccaag gaaggagtca 180
agactgagaa caacgatcat attaatgtga agtgggcggg gcaggatggt tctgtggtgc 240
agtttaagat taagaggcat acaccactta gtaaaactaat gaaagcctat tgtgaacgac 300
agggattgtc aatgaagcag atcagattcc gatttnacgg gcaaccaatc aatgnaacag 360
acacacctgc acagttgggn aatgggagga tgaagatacc aatgatgtgt tccaaacagc 420
agacgggagg tgtctactga aaan 444
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<210> 834

<211> 370

<212> DNA

<213> Homo sapiens

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<222> (141)

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<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<400> 834

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accttctggg caaggaggac gcgcgcgcgc agattcgccg cttcagcttc tgctgcagcc 120
ccgagccctga ggcgggaagc nnggctgcgg cgggtccggg acccttgcca gcgctgctg 180
agccgggtgg ccgcctcgtt cccgcgcgtg cggcctggcg gctttccagg cgcactaccg 240
cgattgagga cggggatttg ttgctttttt ccattgacga ggatttgaca tgggcatggt 300
ctacgtgaa gatgaatctt tncgatttta nattnaaga gaaaanattt ccggcgggga 360
cagncacagt                                     370
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<210> 835

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

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<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 835
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tggtgccctt gaagagcatc ccacctgct cacggaggca cccctgaacc ccaaggccaa 120
cggggagaaa atgactcaaa ttatgtttga gactttcaat gtccaagcca tgtnnttggc 180
tatccaggcg gtcgtgtctc tctatgcctc tggangcaca atggaatcgt gctggactct 240
ggagatggcg tcaccanana tgccccaatn tatgagggct atgcttgnc ccatgcaata 300
natgggtctg natgttg 317

<210> 836
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

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ggcgacggtg cgggcttcan agggncocgt ttacaaagga gtctgcaa at gcttctnccg 120
gtcgaagggc catggtttca tnnccccagc tgatggcggc ccgacatct tcttgcacat 180
ctttgaatgn gnaaggggga gtatgtacca ntggaaaggc acgaggtcan ctataaaatg 240
tgcttccatc ccacccaaga ntgagaagct ncaagccgtg ggagttcgtc atcaatcacc 300
tggcaccagg naccaagtat gagacctggt ttgagacant ttcacantt tcntaggaga 360
ttggttggaa gcancctttt tt 382

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<210> 837
<211> 375
<212> DNA
<213> Homo sapiens

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<400> 837
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gacgctaacc cctcctccag ccacaaagag tctacatgtc taggggtctag acatgttcag 120
ctttgtggac ctccggtccc tgctcctctt agcggccacc gccctcctga cgcacggcca 180
agagggaaggc caagtgcagg gccaaagacga agacatccca ccaatcacct gcgtacagaa 240
cggcctcagg taccatgacc gagacgtgtg gaaacccgag cctgcccga tctggtgtgt 300
cgacaacggc aaggtgttgt gcgatgacgt gatctgtgac gagaccaaga actgcccgcg 360
cgccgaagtc cccga 375

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<210> 838
<211> 484
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)
<223> n equals a,t,g, or c

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<220>
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<222> (8)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

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<220>
<221> misc feature

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<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
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<222> (476)

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<400> 838

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ccgggtcgac ccacgcgtcc ggccagccgt tcacgcgttc ggtccctcctt ggctgantca 120
ccgccctcgc cgcgcganca tggacgcccc cangcagggt gtcaactttg ggctgggtcc 180
cgccaanctg cgcactcag tgttgtaga gatacaaaaag gaattattag actacaagg 240
aattggcatt agtgttcttg aaatgantca cangtcatca gatattgacct agattattan 300
caatacagaa aatcttgtgc ggaattgtct aactgttcca gacaactata angtgatttn 360
ctggcgangg aagtgggtgc ggccaattca ntgctgtccc ttaancctca ttggcttgaa 420
agcangaaaag tgtgcggtact atgtngtgac aggaacttgg tcagctaagg gcgcanaaaa 480
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<210> 839

<211> 473

<212> DNA

<213> Homo sapiens

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ccatgtattc ggctgctggc agagacttgg ggaaggaaacc gcacagagcc gcggggccctt 120
tgccagctgc gaattttcgc cctgacgttt tcaacggagg tgactatact gggcaattgc 180
tgagagaagat ttggccaatt gttgcttctg aatactcgat tgantgaaag gggtttttaat 240
tcatacgcg ggtagcccc aaatgttaca anttaaacag ncaaaacagt ccattggatg 300
cagcgggttt ccattggagac tgttcttacg gntgacaaag attttttgaa gcaagactaa 360
agntgtatta ggcattccca ttattaagcg ctggattacg ggggggcatt nctgcaatgc 420
tgtcnaaaat ncccgnttt caaggngttt tttncctac tntggtttac aac 473

<210> 840
<211> 279
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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tntctacata aaatacaaaa acttagatgg gcattggtgct gtgngcctat agtcccacta 120
cttgtggggc taaggcagga ggatcacttg agcccccggag gtcgaggcta cantgcgcca 180
agagtgcact actgtactcc agccagggca aggagagcga gaccctgtnt caaataaata 240
aatnaantta attaaataan taattttaaat aaaagcnaa 279

<210> 841
<211> 234
<212> DNA
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
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<220>
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<222> (118)
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<220>
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<222> (123)
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<220>
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<220>
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<220>
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gangggcacg aggcctggtt tttaaggagt gtcgccagag tgcctcgatg anacgggtat 180
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<210> 842
<211> 460
<212> DNA
<213> Homo sapiens

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<222> (32)
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<220>
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<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
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<222> (451)
<223> n equals a,t,g, or c

<220>
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<222> (453)
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<400> 842
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aaggcggcga aaaggaggcc aagaagaaag tgggtgatcc attttctaag aaagattggt 120
atgatgtgaa agcacctgct atgttcaata taagaaatat tggaaagacg ctcgtcacca 180
ggaccacaag aaccaaatt gcattctgat gtctcaaggg tcgtgtgttt gaagtgaatc 240
ttgctgattt gcagaatgat gaagttgoat ttagaaaaatt caagctgatt actgaagatg 300
ttcagggtaa aaactgcctg actaacttcc atggcatgga ttttaccctg gacaaaaatg 360
gttccatggt caaaaaatg canacaatga ttgaagctca cgttgatgtc aagactaccg 420
atggttactt gcttcgctgt tctgngntgg ntntactaaa 460

<210> 843
<211> 597
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
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<222> (412)
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<400> 843
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cgctcttaga actagtgat ccccggggct gcaggaattc ggcacgaggt ccttcagagg 120
aagctaaggc tcggttgggg tgaggccctc acttcatccg gcgactagca cgcgctcgg 180
cagcgccanc ctacactcgc cgcgcacatg gcctctgtct ccgagctcgc ctgcattcac 240
tcggccctca ttctgcacga cgatgaggtg acagtcacgg aggataagat caatgccctc 300

attaaagcag ccggtgttaa tgttgagcct ttttggcctg gcttgtttgc aaaggccctg 360
gccaacgtca acattgggag cctcatctgc aatgtagggg ccggtggacc tncctcagca 420
gctggtgctg caccagcagg aggtccctgcc ccctccactg ctgctgctcc agctgaggag 480
aagaaagtgg aagcacaagaa agaagaatcc gaggagtctt atgatgacat gggctttggt 540
ctttttgact aaacctcttt tataacatgt tcaataaaaa gctgaacttt acaaaaaa 597

<210> 844

<211> 502

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

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<222> (6)

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<223> n equals a,t,g, or c

<220>
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<400> 844

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gcaaagatgg gtgcnataca agtacatcca ggtagctatg gagaaagaag cagtctgatg 180
tcatgcgctt tcttctgagg gtccgctgct ggcagtagcg ccancctctct gctctccaca 240
ggngtcccc gccccacccg gcctgataaa gcgcgncgac tgggctacaa ggccaagcaa 300
ggttacgtta tatataggat tctgtgttcgc cgtgggtggcc gaaaacgccc agttcctaag 360
ggtgcaactt acggcaagcc tgtccatcat ggtgttaanc anctaaagtt tgcctgaagc 420
cttcagtcgg ttgcagagga gcgagctgga cgccactgtg ggggtctgag agtccatgaat 480
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<210> 845

<211> 601

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 845

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tctagaacta gtggatcccc cgggctgcag gaattcgcca gagctttgct ttccatccg 120
cttttgatcg tcttctcttt cagccatcca ggttaagcca gatgggtgca tacaagatac 180
tccaggagct atggagaaaag aagcagtcgt atgtcatgcg ctttcttctg agggtcgcgt 240
gctggcagta ccgccaagctc tctgctctcc acaggggtcc ccgcccccac cggtctgata 300
aagcgcgccg actggggtac aaggccaagc aagggttacgt tatatatagg attcgtgttc 360
gccgtggtgg ccgaaaacgc ccagttccta aggggtgcaat tacgggaagc ctgtccatca 420
tggtgttaac agctaaagtt tgctcgaagc cttcagtcgg ttgcagagga gcgagctgga 480
cgccactgtg gggtctgag agtcctgaat tcttactggg ttggtgaaga ttccacatac 540
aaattttttg aggttatcct cattgatcca ttccataaag ctatcagaag aaatcctgac 600
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601

<210> 846

<211> 455

<212> DNA

<213> Homo sapiens

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<220>

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<222> (14)

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<222> (20)

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<222> (28)

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<222> (32)

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<222> (115)

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<222> (171)

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<222> (181)

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<400> 846

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cgctctagc actagtggat cccccgggtc tgcaggaatt cggcacgagc gcagnaagcg 120
agatgacgag ggaacgtcat cgtttggaaa gcgtcgcaat aagacgcaca ngttgtgccg 180
ncgctgtgtg tctaaggcct accaccttca gaagtcgacc tgtggcaaat gtggctaccc 240
tgccaagcgc aagagaaaagt ataactggag tgccaaggct aaaagacgaa ataccaccgg 300
aactgtgcga atgaggcacc taaaattgt ataccgcaga ttcaggcatg gattccgtga 360
aggaacaaca cctaaaccca agagggcagc tgttgcagca tccagttcat cttaagaatg 420
tcaacggtta gtcatgcaat aaatgttctg gtttt 455

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<210> 847
<211> 428
<212> DNA
<213> Homo sapiens

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<220>
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actagtggat cccccgggct gcaggaattc ggacgaggt cgcggcgaca tggccaaacg 120
taccagaataa gtccggatcg tcggtaaata cgggacccgc tatggggcct cctccggaa 180
aatgtgtgag aaaattgaaa tcagccagca cgcgaagtac acttgctctt tctgtggcaa 240
aaccagatg aagagacgag ctgtggggat ctggcactgt gggttcctgca tgaagacagt 300
ggctggcgtt gcttggacgt acaataccac ttccgctgtc acggtaaagt ccgccatcag 360
aagactgaag gagttgaaag accagtagac gctcctctac tctttgagac atcactggcc 420
tataataa 428

<210> 848
<211> 348
<212> DNA
<213> Homo sapiens

<400> 848
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ctatggggcc tccctccgga aaatggtgaa gaaaattgaa atcagccagc acgccaagta 120
cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga tctggcactg 180
tggttcctgc atgaagacag tggctggcgg tgccctggacg tacaatacca ctctccgctg 240
cacggtaaaag tccgccatca gaagactgaa ggagttgaaa gaccagtaga cgctcctcta 300
ctctttgaga catcactggc ctataataaa tgggttaatt tatgtaac 348

<210> 849
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (217)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (226)
 <223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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 aatacggggac ccgctatggg gctccctcc ggaaaatggt gaagaaaatt gaaatcagcc 120
 agcacgccaa gtacacttgc tctttctgtg gcaaaaccaa gatgaagaga cgagctgtgg 180
 ggatctggca ctgtggttcc tgcataaaga cagtgnntgg cggtgntctgg acgtacaata 240
 ccacttccgc tgtcacgggt aaagtcgcgc atcagaagan tgaaggaggt gaaagaccat 300
 tagacgttcc tntantcttt gggacatcat tggntataa ttaatgggtt aatttttgg 360
 naaaa 365

<210> 850
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 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc feature
<222> (11)
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<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (47)
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<220>
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<222> (75)
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<400> 850
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atcataggaa ctagnctgat ccccagggc tgcagggaatt cggcacgagg ccgaaaggaa 120
agaaggccaa gggaaagccc agctgtcgtg aagaagcagg aggctaagaa agtgggtgaat 180
ccctcgtttg aagcctaaga attttggcat tggacaggac atccagccca aaagagactc 240
acccgccttg tgaatggct atatcagggtt gcagcg 276

<210> 851
<211> 430
<212> DNA
<213> Homo sapiens

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<220>
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<222> (174)
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<220>
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<220>

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<222> (348)

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<220>

<221> misc feature

<222> (362)

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<220>

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<222> (364)

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<400> 851

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gccgcgctgg tgaacaggac ccgtcgccat gggccgtgtg atccgtggac agangaaggg 180
cgccgggtct gtgttcgcgc gcgcacgtgaa gcaaccgtaaa ggcgctgcgc gctgcgcgcc 240
gtgattttcg ctgagcggaa cggctacatc aagggcatcg tcaaggacat catccacgac 300
ccggggccgc gcncgccct cgcgaagggtg gtcttcggg atccgtancg tttagaagc 360
gngncggagc tgttcattgc cgcgcagggc attcacacgg gccagtttgt gtattgcgcg 420
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<210> 852

<211> 420

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

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<220>

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<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

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<220>
<221> misc feature
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<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (317)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<400> 852
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cgttcaagat tcagcttcac ncgnaagcca cnggcattggc ngagggaaggc attgctgctg 120
ggaggtgtaat ggacggtaat actgctttac aagaggttct gaagactgcc ctcatncacg 180
atggcctagc acgaggaatt cgcgaagctg ccaaaacctt agacaagcgc caagcccatc 240
tttgtnygt tgcattcaac tgnatgagc ctatgtatgn caagntggng gaggcccttt 300
gnctgaaaca ccaaatnaac ctaattaagg gttgatgaca acaagaaact aggagaatgg 360
gtaggccttt gnaaaatga cagagagggg aaaccccgna aagnggttgg nttgcagntg 420

<210> 853
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 853
ctcgtgccga attcggcacg agccgccatc atgggtcgca tgcattgctc cgggaaggcg 60
ctgtccagc cggcctttacc ctatcgacgc agcgtcccca ctgtgttgaa gttgacatct 120
gacgannnga aggagcagat ttacaaactg gccaaagaag gccttactcc ttcacagatc 180
ggtgtaatcc tgagagattc acatggtgtt gcacaagtac gttttgtgac aggcaataaa 240
attttaagaa ttcttaagtc taagggaactt gtcctcta 278

<210> 854
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 854
gcggnacgnt ggaccggggt ccttccgtgc gcgttgatat gattggccgg cgaatcgttg 60
ttctcttttc ctctctggct gtctgaagat agatgccat cgtnaacgac accgtaacta 120
tccgcactag aaagtcatg accaaccgac tacttcagag gaaacaaatg gtcattgatg 180
tccttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa ctgcccacaa 240
tgtacaagac cacaccgat gtcattcttg tatttggatt cagaactcat ttgggtgggt 300
gcaagacaac tggccttggc atgatttatg attccctgga ttatgcaag aaaaatgaac 360
ccaaacatag acttgcaaga catggcctgt atgagaagaa aaagacct 408

<210> 855
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (288)
<223> n equals a,t,g, or c

<220>
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<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 855
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ctgaggaggc caagtacaag ttgtgcaaaag tgagaaaagat ctttgtgggc aaaaaaggaa 120
tcctcatctt ggtgactcat gatgcccgca ccatccgcta ccccgatccc ctcatcaagg 180
tgaatgatac cattcagatt gatttggaga ctggcaagat tactgatttc atcaagttcg 240
acactggtaa cctgtgtatg gtgactgagag gtgctaacta gggaagantg gtgtgatcac 300
caacagagag aggcaccctg ggatcttttg gacgtgggtt cactngaaaag atggccaatg 360
ggaacagcgtt tgccaantcg anttttccaa catTTTTgtt anttgggcaa ggggcaacaa 420
anca 424

<210> 856
<211> 608
<212> DNA
<213> Homo sapiens

<220>
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<222> (270)
<223> n equals a,t,g, or c

<220>
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<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 856

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gggcatacttt cgggacaatt ggcacaagcg ccgcaaaaacc gggggcaaga gaaagcccta 60
ccacaagaag cggaaagtatg agttggggcg cccagctgcc aacaccaaga ttggcccccg 120
cgcatccac acagtcctgtg tgcggggagg taacaagaaa tacctgtccc tgaggttgga 180
cgtggggaat ttctctctggg gctcagagtg ttgtactcgt aaaacaagga tcatcgatgt 240
tgtctacaat gcatctcaata acgagctgggn tcgtaccaag accctggtga agaattgcat 300
cgngetcatc gacagcacac cgtaccgaca gtgggtaccna gtcccactat gcgctgcccc 360
tgcccccga aaggggagcc aagctgactc ctgagggaaga agagatttta aacaaaaaac 420
gatctaaaaa aattcagaag aaatatgatg aaagggaaga agaatgccaa aatcaagcaa 480
gtcttctgga ggagcagttt cagcaggcca agcttcttgc gtgcctcgnt ttaaggnccg 540
gacagtgtgg ccgancagat ggctatgtgc taaanggcaa agagtggagt ctatcttang 600
aaaacaag
708
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<210> 857

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

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tggacatgag acccgccctc aatgccgaag cctctcggaa gcaatctttc gggacggaag 120
taagtagcc ccgagcggga ggctgtggcg gaagtggtcg cgttaccgck tgtttgtgcg 180
catgcgccac tctcgtctgg ccgcgcgcct ttcaggaggt gcttttgggt cctctccggtc 240
ttgtccacgc tagggggtgc acgtackccc aactgtggtc gcctctcac cccttctgct 300
gckctcgtgg cccctcgcgc atggcgggca tcctgtttga ggatattttc gatgtgaagg 360
atattgancc ggaaggcaag aagtttganc gagtgtctcg ackgcattgt gagagtgaay 420
ttcaagatg gvvbkaaacn aagakgtaaa 450

<210> 858
<211> 467
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
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<220>
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<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
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<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 858
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cggaagactg aaagtcctcg aatgggtgga taccgtcaag ctggccaagc acaaaagact 120
tgctccctac gatgagaact ggttctacac gcgagctgct tccacagcgc ggcacctgta 180
cctccggggt ggcgctggggt ttggctccat gaccaagatc tatgggggac gtcagagaaa 240
cgcgctcatg cccagccact tcagccgtgg ctccaagagt gtggcccgcc gggctctcca 300
agccctggag gggctgaaaaa tggtggaataa ggaccaagat ggcggtcgca aactgacacc 360
tcagggaaca agaatctctg acagaatcgc cggacaggtg gcagcttcca acaagaagca 420
ttagaacaaa ccatgctggg gtaataaatt ggcctnatto gtaaaaa 467

<210> 859
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 859

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gggtcgaccc acgcgtccga aaaactgtnn gggagcttga caaaggcatg caggagagaa 60
caggagcagc cacagccagg agggagagcc tcccccaagc aaacaatcca gagcagctgt 120
gcaaacaaacg gtgcataaat gaggcctcct ggaccatgaa gctagtctcg agctgcgtcc 180
cggagcccaac ggtggtcatg gctgccagag cgtcttgcct gctggggctg gtcttgccct 240
tgctgtcctc cagctctgcg agggagttac gtggggcctg tctgccaaac cagtgtgccg 300
tgccagccaa ggacaggggtg gaattgccgc ttacccccat gttcaccccc aaggattgca 360
aaaaccgggg ttgctgcntt tgaattccag gatcenggat ggnontgggt ttttcaagcc 420
cntgccagga agcagaagca c                                     441
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<210> 860

<211> 423

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<400> 860
tgggctacct gcattcactg aacatcggtt atagagactt aaaaccagag aatattttgc 60
tagattcaca gggacacatt gtccttactg acttcggact ctgcaaggag aacattgaac 120
acaacagcac aacatccacc ttctgtggca cgccggagta tctcgacact gaggtgcttc 180
ataagcagcc ttatgacagg actgtggact ggtggtgcct gggagctttc ttgtatgaga 240
tgctgtatgg cctgccgcct ttttatagcc gaaacacagc tgaatatgtac gacaacattc 300
tgaacaagcc tctccagctg aaaccaata ttaccaattc cgcaagacac ctctcggaag 360
ggctcctgna gaaggacang acaaagcggc tcgggggcaa nggtgacttc atggagatta 420
aga 423

<210> 861
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 861
ggcacgagct cgtgcgcttt ggggtgctg ggactcgcgt cgggtggcga ctcccggaag 60
taggtagtgtt gttgggcgg gttctgaggg cttgcttctc ttacttttc cactctaggg 120
caogtagccg cagtaccaga cctgggagga gttcagccgc gctgccgaga agctttacct 180
cgctgacctt atgaaggcac gtgtggttct caaatatagg cattctgatg ggaacttggt 240
tgttaaagta acagatgatt tagtttggtt ggtgtataaa acagaccaag ctcaagatgt 300
aaagaagatt gagaatttcc acagtcaact aatgcgactt attgtagncc aaggagcccn 360
caatttacca tgggaaactga gtgaatgggt tnaatgagac ttntcgggta cttaggggat 420
aaaanccttt 429

<210> 862
<211> 596
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
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<222> (12)
<223> n equals a,t,g, or c

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (61)
<223> n equals a,t,g, or c

<220>
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<222> (155)
<223> n equals a,t,g, or c

<220>
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<222> (209)
<223> n equals a,t,g, or c

<220>

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<220>
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<220>
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<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
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<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 862
cgcggggcgcn cncgctctag aactagtggg tccccctgggn ctgcaggaat tcggcanagg 60
naagtctctcc agaagacagt gattatcaag gaagaggaag aagatactgc agagaagcca 120
gggaaggaag aggatgtcgt gactccaaaa ccagncaaga gaaagagaga ccaggcagag 180
gaggagccca acagaatacc aagccgcanc ctccgacgga ccaaaacttaa ccaagaatca 240
acagccccc aagtgtctctt cacaggagtg gtggatgctc gggganancg ggctgtgctg 300
gcatgggggg aaatctggct ggttcacggt caaagcttcc cacnggttca tggatcgcac 360
ccgcgggaca ttcaattcct gtgtggccct ggggcggggg attccccatt ctgttccngg 420
gatgggtggc atcattcccg tcaagctggt ttctcttcta ccccccgatga atatgtgggt 480
aacgaccngg cncnaanaga agaatttggc ttactttca agacgcattg agcagggtcc 540
gganngaag tgcntanaag ggtatgaatt tatgtgaacc tggatccacc acacca 596

<210> 863
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 863

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ggcagcttgg cagtgaccaa gaatgatggg cactaccgtg gagatcccaa ctggtttatg 60
aagtatgtgg cccccaggga gcttgggtct ccgcatgggg tgggaggtgg ctgtttctaa 120
ggagcttgcg agaaggatta ggggaagcag atagccaaga aaggataaag tgagggtctg 180
ggatggggaa taatgggtcc ttaatactcc ttgacccctc cctttccacc ctctgcgct 240
cagctctcct agcctatgag gcaagctaga ttagggaata aaagtgcaca ggaaggcaat 300
ggggattggg ctaagacgta acacagggat cagaaaaacg gtggaaaaca cacatttcta 360
ncaagtcttt aaccocgttc ctccccttct taggaaagcg cagagcttaa gangggantt 420
cacagagagc cagnngcagg a                                     441

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<210> 864

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<400> 864

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gacatcacca cggcggcagc catttaaac cctcacccag ccagcgcccc atcctgtctg 60
tcggaaccca gacacaagtc ttaactcctt cctgcgagcc ctgagggaag ctcttttccc 120
cagacatggc caacaagggt ccttctctatg gcatgagccg cgaagtgcag tccaaaatcg 180
agaagaagta tgacgaggag ctgggaggag cgctgtgtgg agtgggtcca tagtggcagt 240
gtgggcccct atgtggggcc ggcccagacc gtggggcgct tggggctttc caggttntgg 300
cttgaagatt ggcgttgatt tntgnagcaa gctgggttgg aacagcintnt tacccc 355

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<210> 865

<211> 499

<212> DNA

<213> Homo sapiens

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<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<400> 865
aattgggcac gagactggac caaattagac agagagaatc agatatcacc aaggagagaa 60
ttcagaagat cctggcaact ggtgccaatg ttattctaac cactggtgga attgatgata 120
tgtgtctgaa gtattttgtg gaggcctggtg ctatggcagt tagaagagtt ttaaaaaggg 180
accttaaacg cattgccaaa gcttctggag caactattct gtcaaccctg gccaatattgg 240
aaggtgaaga aacttttgaa gctgcaatgt tgggacaggc agaagaagtt gtacaggaga 300
gattttgtga tgatgagctg atcttaatcn aaatacctag ggncgacggt ttnatcggtt 360
tttttcgggg ggcaaaattt tcccggtntt ngggnggggg cctttnaaag gncctttttg 420
ggagngnttt tgggnaaatt gggncctcgg ggtttttaaa gncctctntt cccaaaattn 480
ccccagggtt ggacctttt 499

<210> 866
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
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tggaaacagcc tgagcttagc tcnccgcggg gcttcaccaa gacotacact gttggctgta 120
aggaatgcac agtgtttccc tgtttatcca tcccctgtca aactgcagag tggcactcat 180
tgcttgtgga cggaccagct cctccaagcc tctgaaaagg gcttccagtt cccgtnaacc 240
ttgnctggnc tgacctcggg aagcnagggg ctgtgacacc tggnagtgcc ctgnggtnc 300
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<210> 867
<211> 566
<212> DNA
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<220>
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<400> 867
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ccgtggtgtg cgacacgggc gacttccacg ccactcgacga gtacaagccc caggatgcta 180
ccaccaaccc gtccctgata ctggccgcag cacagatgcc cgcttaccag gagctgggtg 240
aggagcgcat tgcctatggc cggaaagctgg gcgggtcaca agaggaccag attaaaaatg 300
tatctgntaa actttttgtg ttgtttggag cagaaatact aaagaagatt ccgggccgag 360
tatccacaga atagacgcaa ggctctcctt tgataaagat gcgatgggtg ccagagccag 420
gcggntcatc gagctctaca aggaagctgg gatcagcaag accgaattct tataaagctc 480
tcatacaact gggaaggna ttcaggctgg aaanagctc gaaggagcag cgcgcgcatcc 540
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<210> 868

<211> 413

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

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<400> 868

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ggcagggctg agccagcgac gccctccatt cactctccgc gccggttctc cggtgtctct 120
ccggttccgc tgcccgccct gccaccatga cggaaacagg catctccttc gccaaagact 180
tcttggcccg agnatcgccg ccgccatctc caagacggcc gtggtccga tcgagcgggt 240
caagctgctg ctgcaggctc agcagccag caagcagatc gccgcgcaca agcagtacaa 300
gggcatcggt gactgcattg tccgcatccc aaggagcagg cgtgtgtctc tctggagggn 360
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<210> 869

<211> 600

<212> DNA

<213> Homo sapiens

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acgtctctga tgcgggtggct canagcaccc gtatcattta tggaggctct gtgactgggg 180
caacctgcaa ggagctggcc agccagcctg atgtggatgg ctctctgtgt ggtgggtgctt 240
ccctcaagcc cgaattcgtg gacatcatca atgccaaaca atgagcccca tccatcttcc 300
ctaccctctc tgccaagcca gggactaanc agcccanaag cccagtaact gcccttctcc 360
tgcatatgct tctgatgggt tcatctgctc ctctctgngg cctcatccaa actgtatctt 420
cttttactgg ttatatcttc accctgtaat ggttgggacc aggccaatcc ctctccact 480
tactataatg gttggaacta aacgtcacca aggtggcttc tccttggctg agagatggaa 540

ggcgtgnngg gattngctcc tgggttccct aagccctagt ganggcanaa gagaaacct 600

<210> 870

<211> 497

<212> DNA

<213> Homo sapiens

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<222> (27)

<223> n equals a,t,g, or c

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<222> (218)

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<222> (492)
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gccctctgtg gacctatcct tccagccctc gaagccctcg agcaagtcca gctcctctcc 120
cgagctgcag actctncagg acatcctcgg ggacctctgg gacaaggccg acgtgggngc 180
gntgagccct naggttaagg ccgggtcaca gtcagggncc ctggacgggg aaagtncctg 240
ctgggtcggtc tcgggcgaag acagtnngga ncagcccgag ggtcccttga ctctccaggt 300
cccccggttc gcccaagtgg nctccggccc cgtaggttac aacatttncg antnngnccc 360
atcacgcnag ggcaaganat tagagagggg cgctttaaga gcagagcaca gcttnattca 420
gagaagttcc aggataaacc anttcgtttc ttgagtttac atcccttttt tggnggataa 480
aaagcatctt tngccat 497

<210> 871
<211> 568
<212> DNA
<213> Homo sapiens

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<220>
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<222> (484)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcgaaga tgaattaac 120
cgccgcacag ctgctgagaa tgagtttggt gtgctgaaga aggatgtgga tgctgcctac 180
atgagcaagg tggagctgga ggccaagggt gatgccctga atgatgagat caacttcctc 240
aggaccctca atgagacgga gttgacagag ctgcagctcc agatctccga cacatctgtg 300
gtgctgtcca tggacaacag tcgctccctg gacctggacg gcatcatcgc tgaggtcaag 360
gcacagtatg aggagatggc caaatgcagc cgggctgagg ctgaagcctg gtaccagacc 420
aagtttgaga cctncaggc ccaggctggg aagcatgggg acgacctccg gaataccggg 480
aatnagattt cagagatgaa ccgggccatn cagaggctgc aggctgagat cgncaacatc 540
aagaaccagc gtgccaaagt ggaggccg 568

<210> 872
<211> 228
<212> DNA
<213> Homo sapiens

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<220>
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ctcgctaacc tngccttacc cncnctatt aacctactgg gagaactctc tgtggctagt 120
aaccangttc tntcgatcaa atatcactct cctaactaca ggaactcaac atactagtgc 180
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<210> 873
<211> 433
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

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<222> (363)
<223> n equals a,t,g, or c

<220>
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<222> (422)
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<222> (424)
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taaaagcaac agaacacttg cccctcccaa aatgaaggga gagagatgg ggcttctctt 120
cctctccctt gagtgggaaa ggagctctgg gggtctgtcc ttcagcacag aggaggggtc 180
actgaaagcg ttattgacca gctgctgtac cttctgcac tcactccacg ctcactgcct 240
ttttctcttc cttgcattgg ctccctgtgcc tgtgccggct cctgcaaatg caaagatgca 300
aatgcaantc cttgcaanaa gagtgantgc aggccttlcc tgcyaatntg ggggatgggc 360
canttaanca ggaaccagac ttgcagcagg gcaggcatga cagtttccca aacctcttta 420
anangattca att 433

<210> 874
<211> 84
<212> DNA
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tcggcccccac atntntcatc acca 84

<210> 875
<211> 507
<212> DNA
<213> Homo sapiens

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<400> 875

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ggaagaggat ggagatgaag atgagggaagc tgaggtncagt tacggggccaa gggggcagct 180
gaagatgatg aggatgacga tgtcgatacc aagaagcaga agacgcacga ggatgactta 240
gcacgcaaaa aaggaaaatt taaacttaa aaaaaaaagg ccnccgtgac ctttttacc 300
tccatttccc ttttcagatt ttaaacgtgg tcacctttcn gttagaaggg ccccccnnc 360
cancnttggg aatcccentt tccnnnttt nncagggggtt ttttcannnn cccnncccn 420
aaccttgggn tttttnaana gggnggggna aaannnccca atttttnngg ncentttttt 480
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<210> 876

<211> 190

<212> DNA

<213> Homo sapiens

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<400> 876

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gcataatata gcaaggacta acccctatcac ctctctgata atgaattaac tagaataaac 180
ttttgcaagg 190

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<210> 877

<211> 315

<212> DNA

<213> Homo sapiens

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<400> 877

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ggtttgggg gttgttcctcg gtttcgagga accctggtaa ttagtcttcg ccccttctc 180
ccagctcaat cgcctgggct tgcacagtac attggaacct gggggttcta tttgtattc 240
gacgtgccgg atcgaaatag agctcgcggn actgcgaaga ccacagtagg aagttaagga 300
cggggctcgt gctga 315

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<210> 878

<211> 295

<212> DNA
<213> Homo sapiens

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<222> (127)

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<220>

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<222> (132)

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<223> n equals a,t,g, or c

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<222> (142)

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<220>

<221> misc feature

<222> (151)

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<221> misc feature

<222> (165)

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<222> (191)

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<220>
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<220>
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<220>
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<222> (275)
<223> n equals a,t,g, or c

<220>
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<222> (293)
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cnetcccnng ccaaaaagat tnnctaatac tgcttgtagc agccagagaa agatccaaaa 120
caatacncag cnetctngca cngaggaat ntctcccn acatngactc cnggcctaca 180
tcagccaaac nnaacennng tgggggttgg atttgatagc caatnagttc tgtgctgggt 240

gcaaaagaatt gataatnttag atggnntnta ataentcagc agatttgtct ttncg 295

<210> 879

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<400> 879

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aatctagacc ctctggaggc tgtagaatgt gaaaagatac agctgagctg acaagtttta 120
gggcactatc ttctggaaatg aaatcgggcca agaaaatggt tcaagggcac ggggggttaga 180
gaatgtttct ttacctaata aatgttaagc caactatgga agattggggt cgtgggggca 240
tgaatatcaa aattatgata atttatacag aactagggtt ctttatgttc tgcaagaag 300
ttttatttag ctaatttggg gaggggggccc atgctgcagt attttttttc ctgggggaaca 360
tgccatttct gatggggaag ttattttgtt tacaagagtt ggtttaccac acaaccctga 420
atgaatgtgn caatggccta a 441

<210> 880

<211> 112

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>
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<222> (111)
<223> n equals a,t,g, or c

<400> 880
ggcagagcgg cattgggagg ggcgctctga gattaaagag ttttacctct gaiaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa aaananaana na 112

<210> 881
<211> 162
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (35)
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<220>
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<220>
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<220>
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<222> (136)
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<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
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<222> (154)
<223> n equals a,t,g, or c

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ccaagacatg aacattttta gctgtaactt aactattaag gccttttccc acacgcntta 120
atagtcccat ttctnttttg gncattngtg gctntgcccc at 162

<210> 882
<211> 117
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (91)
<223> n equals a,t,g, or c

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<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
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<222> (113)
<223> n equals a,t,g, or c

<220>
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<222> (117)
<223> n equals a,t,g, or c

<400> 882
ggcanagggg aaaaacccgc ctctactaaa aatacaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaanaaaaaa aanaaan 117

<210> 882
<211> 452
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
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<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (440)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (448)
 <223> n equals a,t,g, or c

<220>
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 <222> (451)
 <223> n equals a,t,g, or c

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 caccggtnc c gnaattccc gggctgaccc acgcgtccgc ccaacgcgtc gccacacgct 120
 ccgcccacgc gtccgcctcgt gccatgatct gtattttaatg gtttttattt ctcgggtgca 180
 tttagagaa gccacgctgt cctctcgagc ccagatggaa agacgttttt gtgctgtggg 240
 cagcancctc cccgcgacgc gggttaggga agaaaactat cctgcgggtt ttaatttatt 300
 tcatccagtt tgttctccgg gtgtggcctc agccctcaga acaatccgat tcacgtaggg 360
 aaatgtttaa ggantcttgc agctatgncg aatgtggcat gggggggcgg gcagtcctgc 420
 ccattgtgtc cctcatctgn tcagccaneg nc 452

<210> 884
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (90)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (96)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (206)
 <223> n equals a,t,g, or c

<220>
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 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (257)
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<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (280)
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<220>
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 <222> (282)
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<220>
 <221> misc feature
 <222> (284)
 <223> n equals a,t,g, or c

<220>
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 <222> (333)
 <223> n equals a,t,g, or c

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 cgccatgact tectacagct atcgccagtn gtcggncacg tcgtccttcg gaggcctggg 120
 cggcggttcc gtggcgtttt gggccggggg tcgcttttcg cgcgcccaagc attcaacggg 180
 gctccggcgg ccgcggcgta tcggtntcct ccgcccgctt tgtgtcctcg tcctcctcgg 240
 gggcctacgg nggtggntaa gnggggggct ctgaaccgcn tncnaacggg gtgctggggc 300
 ggcacacgag aagcttaaac catgcagaac ctnaacgacc 340

<210> 885
 <211> 52
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (17)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 885
gncctatagt gagtcgnatt acaattcact ggcgcgtcgtt ttacaaccno gt 52

<210> 886
<211> 303
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (26)
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<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
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<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 886

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caggtgcgctg tctgaagatc ttggttttgc tgtgcttgac acacagctga tgctttannn 120
gctcagggttt actggtctta taacagtngg cataacgcct aaagcatccc ctctgcacgt 180
gactgagcat gtncttaacc agaggagctg aacggagctg agaaaatagt agtttttaggg 240
cttagtgagc agaggaagca gcttctctgg tgctttattt aatagaacat ttaagagctg 300
tca 303
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<210> 887

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

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<222> (379)

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<220>

<221> misc feature

<222> (386)

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<220>

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<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

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<222> (482)
<223> n equals a,t,g, or c

<220>
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<222> (486)
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<220>
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<222> (509)
<223> n equals a,t,g, or c

<220>
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<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
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<220>
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<222> (553)
<223> n equals a,t,g, or c

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<220>
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<220>
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 agggccctcgc gtcttgcgtga gcccggggag ttaggatgac gcgagcggtg agggagcccg 120
 gaacgattcc ttgcgggaac aattgaggcg aagcctttgg gactactttg tgggacggac 180
 cctggcgggc cctgccanac ncacanggat ggcggcggaa gcggccgatt tggggctggg 240
 ggccgcgcgc cccgtggaac tnaagcggga gcgacgcatt gtgtgcgtgg agtaccggg 300
 aattggtgcg tgatgtggct aaaatgctgc ccactctggg cggggaaaaga aagggtctc 360
 ccggatctt acccagaanc ccccnagaa agcttgggan ctgtttctt cccggggccc 420
 aagggaacca ttacttgncc ccccccgtg tttgggcccc aaccgcctt ccantacca 480
 ancaancctt gcttgcctcc cctttccnn ggnaaaaaaa aaaacaaaag ggggggggaa 540
 aaaaaagggg ttntcttggg gggcccttta aaggncccc tncnnaagg ttccctttt 600
 tgaataatgg gaaaaatcct ntgggggttc cttcttcccc ccccttttt 649

<210> 888
 <211> 72
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (53)
 <223> n equals a,t,g, or c

<220>
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 <222> (60)
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<220>
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 <222> (66)
 <223> n equals a,t,g, or c

<220>
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 <222> (67)
 <223> n equals a,t,g, or c

<220>
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 <222> (68)

<223> n equals a,t,g, or c

<400> 888

gccctatagt gaggctgtatt acaattcact ggccgctggtt ttacaacgtc gtnatgtggn 60
aaaccnnnta at 72

<210> 889

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (27)

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<222> (39)

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<222> (52)

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<221> misc feature

<222> (79)

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<222> (95)
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<220>
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<222> (132)
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<220>
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<222> (134)
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<220>
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<220>
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<222> (183)
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<220>

<221> misc feature
<222> (224)
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taagnttgcc aacttcttnc cctgaacagc atttntcttg ttttgatacc caccacacct 120
tatattagaa angnnctgca aactatttag ngactccnct ttnaattnat ggnctgatgc 180
ctnaagaatg ttttgaaata taaagcciat cccgtttgcc cagnttgtaa atttcagg 238

<210> 890
<211> 225
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

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cgtggagctg gcctcggcct cggcatcggg agaggctgga ctctcctgtct ctctgtgctg 120
aanggcctcg atggcgcctg ctctcactga cgcagcagct gaagcacacc atatccgggt 180
caaantggct ccccatcct ctancttgct cctcggncag tgnng 225

<210> 891
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 891
ggcacgagcg gcaagagggg gggcccggtg cccaattcgc cctatagtag gtcgtattac 60
aatcactcgg ccgtcgtttt acaactncgn gatganggaa atntaaaata cttccgagct 120
cgtatgttnt 130

<210> 892
<211> 421
<212> DNA
<213> Homo sapiens

<400> 892
gcactgaaga acattactga gggggcctaac cttggggact ccaatttgcc aatgatgagg 60
gaacatttga aagaactgca aattgtcctt gccagctctt gggatccttg gatacciggg 120
gccatttaag aagctagggg aattaggcca caacaccccc tgggacatcc gaaagctaca 180
ccacagatgc cagtggttca tgccttcttc ccgcaacttt aggaaaattt atttatttat 240
tgtttattag ttatgggggg agagggggaga tttaaaggac cagggacatg ggaaccaagc 300
catagggatc agaggggctt gtccttgaac actactgggg tatattcagg ctcacccacg 360
cagctgctgg gtctctgccc taacggccct cccctgcaac atccgtcttg gaggagaggc 420
t 421

<210> 893

<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 893
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gtaaagtggg gatggggttaa agtggttaa cgtcactgtt ggatcaacaa ataaagggtta 120
cagtttttgta agagaagtga tttgaataca tttttctgga actattcata atatgaagtt 180
ttcctagaac cactggagtt tctagttaa tagtttgcta tgcaatgnac caccataaac 240
aatactttat attgttatt ttongaaaga ctcaaaacac ctgtaattnt aaaccttaat 300
atganan 307

<210> 894
<211> 453
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 894
gcggnaacgcg tgggtggnac ccacgcgtcc gtgcacccac gcgtccgcga cctgggcaat 60
tatcccaaca aattanaactc cccctctgtca tgtcaatatt ggaattgtag ctcacagggtg 120
tttgcttana tcagtcctcc agagaggaag aatgatagag aaaacttgtg cctcgacact 180
actgattctt acatagtggga acaatatctt tcttgataat gaattgtagt tattataaat 240
cggtgatcac gtgaccctaa aggcacccaa ataaatcttt agtaaaataa ttctgatgac 300
acaatgaatg aattattttt aaggcatttt cttggactag caatgtattc tttagagtggc 360
gactgaatgt gcataacctca atgatccatg tttactcat tcnnnggtcc ccaggccacc 420
cagggcaacc aggcctctct ggacctctctg ggn 453

<210> 895
<211> 596
<212> DNA
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caagggaag atgaaaaatt atagccaagc ataatatagc aaggactaac cctataacct 120
ttctcataat gaattaaacta gaaataactt tgcaaggaga gccaaagcta agacccccga 180
aaccagacga gctacctaag aacagctaaa agagcacacc cgtctatgta gcaaaatagt 240
gggaagattt ataggtagag gcgacaaacc taccgagcct ggngatagct ggtgccaaaga 300

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tagaatctta gntcaacttt aaatttgccc acagaaccct ctaaatcccc ttggaatttt 360
aactggtagt ccaagagga acagctcttt ggacactagg aaaaaacctt ggagagagag 420
taaaaaattt aacaccata gtaggcctaa aagcagnac caattaagaa agcgntcaag 480
ctcaacaccc actacctaaa aaatcccaaa catataactg aactnctnac acccaantgg 540
accaatctat canccatag aagagcctaan ggtaggataa ggaacatgaa aacatt 596
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<210> 896

<211> 351

<212> DNA

<213> Homo sapiens

<220>

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<222> (183)

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<400> 896

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gcacaagtgt cagcgagaga aggagaaaaac tgccttggtt ggaaccttg agtgcaggga 120
aaggggtgtg gcggtctttg ctggggaaat ggcggacgac aagtggggcg gaggaagcct 180
gntccgggaa agtcagtaga attcatcaca agagagctac aagagcctgg aagaagctga 240
agacttgcta ccctccatcc ttacttcacc ctgggacctg aggagacctc ttcaatcaga 300
aatggaaaca gagagattct cctgggaaac ccctgcccc taaacggccc t 351
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<210> 897

<211> 72

<212> DNA

<213> Homo sapiens

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<220>

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<222> (9)

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<222> (58)

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<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)
<223> n equals a,t,g, or c

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aaaatttnat tt 72

<210> 898
<211> 383
<212> DNA
<213> Homo sapiens

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<222> (362)
<223> n equals a,t,g, or c

<220>
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<400> 898
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cacgagggcaa ccgtcccgga acgccangtg gggcgaggc gtctcggagt ctacagagaca 120
ccaaggcccc tgcgacaagg tggtctgcagc tagggccgggg gcgtcaggac gacggnagcg 180
ggttcgggtc ggtgacacgc agacctgagg gagctgggcc cgcntnttcc gcccgcgccc 240
cagcccttgc agatcgagat ttgcgtccta nnatggggaa aaaagcagag gccaggggcg 300
cgattttatt tggagagaag caagcttctt tgncttctt tgggattagg aaatttcana 360
cntggnaaaa atggtgtgtg gtt 383

<210> 899
<211> 172
<212> DNA
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ccaactgctc ttgcgccact ggtggctect gcacgtncgc cggtccctgc aattncaaag 120
agtgcaaaatg nacctectgc aanaagagct gctgttctcg ntgccccgtg ga 172

<210> 900
<211> 101
<212> DNA
<213> Homo sapiens

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<220>
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<222> (99)
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ctccttcacg aaaccgaetc ggcgtggnnc accgcgcgnc g 101

<210> 901
<211> 358
<212> DNA
<213> Homo sapiens

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<222> (36)

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<222> (358)

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<400> 901

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gctagctgcc cctttcccgt cctgggcacc ccgagtntcc ccgaccccg ggtcccaggt 120
atgtccacac ctccacctgc ccactcacc acctctgcct agttccagac acctccacgc 180
ccacctgggt ctctcccatc gccacaaaaa gggggggcac gagggaaaga gcttagctga 240
gctgggagga gcagggtgag ggtgggcgac ccaggattcc cctcccttc ccaattaaag 300
atgaggytat taaattgtct tggtttttaa ttantatta ntttttntnt ttttccan 358
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<210> 902

<211> 423

<212> DNA

<213> Homo sapiens

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aggatagcat gccacctgca actcaetgca tgacctttc tgtatattca aaccacagct 120
aagtgtctcc gttgtcttcc aaggaaacaa agagtcaaac tgtggacttg attttgttag 180
cttttttcag aatttatctt tcattcagtt cctttccatt atcatttact ttactttaga 240
agtatccaag gaagtctttt aactttaatt tccattttct cctaaaggga gagtgagtga 300
tatgtacagt gttttggaga tgtatacata tattccagaa ctngggggaa tcttattaag 360
ttatggatat accaccgtaa cggtcnaaaa ngtttaaaga acccatncgg taaggtaatn 420
ggg 423

<210> 903
<211> 362
<212> DNA
<213> Homo sapiens

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<220>
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agtnagggtc gagtgggtat caccttctcg gtgagaaaaa caatttcctg agagntttgt 120
aaactaggac ttagagtact aatcatgggtg tttttcagaa attatatata tattttnaag 180
tcagggtctc accgtgtcgc ccaggctgga ggcagagggt gtggctcgtg ccgaattcga 240
tatcaagctt atcgataccg tcgacctcga ggnngggggc cggtacccaa ttcgccctat 300
tagtnagtn gttattacaat tcactggggc gtcgttttta aaacgggggt nactggggaa 360
ac 362

<210> 904
<211> 309
<212> DNA
<213> Homo sapiens

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 ttgggaaggga accagcccgcc gaaccaggn cgggaagggg gntcgccctn ngggggaang 180
 gactgacatg ttctcgaag accccttttt tgtagtccga ggcgaggtgc agaaagcggt 240
 gaacacgggn ccgcgggctg taccagnct ggtgcganct cctgcaagaa anncgcggct 300
 tcggaacgc 309

<210> 905
 <211> 388

<212> DNA
<213> Homo sapiens

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<400> 905

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nnctgnaccc aggagcagct gcaccacttg naaagtcgcc tcctctccta agcactcctt 120
tccctgngng tccctctcga accctgaagc cctctgggtg gcgtctctgc cgaatgcacag 180
ccacctaaag naccctccag gttagaaaac tgggttaaaag ctcttgctcg ccccggttaa 240
gcttcaactcc naccctttta agcgtcctgc ccttcaacct tgaacccggg ttccccatt 300
ccanttcctg ggccttgnca tgatttggtt ggttcaatgg ttcttctttt cctgaggggg 360
cttnaggggt ttggnggggg ntaagggtt                               388

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<210> 906

<211> 349

<212> DNA

<213> Homo sapiens

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aaggcggcct ctgattttta gggtattttt agaattcatt cctgaatgan gggttcagac 180
accagtcctc ctcggaacag gggtagggg tcgactganc ttgttgtaga agcctccagt 240
taaggcttcg ggcgggtctc catgttgtat tgtgtgttta ctgagcttcc cactgggttag 300
aagatgacac atttgnccat cgtcctgtgt atctganatt cccagggga 349

<210> 907
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taaccaagca taatatanka nggactaacc cctatacctt ntgcataatg aattaaactag 180
anataactnt gcaaggagag ncnagctaa gaccncgaa accagacgag ctacctaaga 240
acagntaaaa gagcacaccc gtatatgtag caaaatagng ggaagattta tnggtagagg 300
cnacanacct accgagcctg gngatatgct ngntgtccaa gataagaatc ntaggttaac 360
ttttaaattt ggcacacagaa ccccttttaa tccenttgga aatttaactg gtaagcccaa 420
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<210> 908
<211> 95
<212> DNA
<213> Homo sapiens

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<400> 908
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aaaaaaaaa aaaaaaannn nggggggggc cngt 95

<210> 909
<211> 373
<212> DNA
<213> Homo sapiens

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<220>
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tttctgcca aaagtgccan agatcaactt ggaaaacaaa atcctcacag agggagagta 120
aagaacactt gattagtctc attagcacct gtagctactt ttctaaagt aaattctgaa 180
ggccttgaa agcttcacta tgagattgaa ttgcaccat tctncaatg gtctttgcaa 240
tgagggatgg gggatagtgt gatggtcctt nccaaccatc cctggaagaa gaagccaaaa 300
aaccttttcc cgaaaggagt tctttaccn aagnagntcc catctgggca ggaattacc 360
tccgggnaac ana 373
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<210> 910

<211> 721

<212> DNA

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<220>

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<222> (516)

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<220>

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<222> (691)

<223> n equals a,t,g, or c

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tggttttgtt ttcaattttt attcactctt catagaatca caattacctt tataatcat 180
atgttattgg aagagattcc tcagtaatct ccaatctctc atagtgcctc acagggttgg 240
tcaatggctt ttggaactgg aaggacctta gaacttatct gttatgctcc tgatagccaa 300
tagcagatag aagcttgcaa tcaagagggt aggacatgtg ttcttcaatg gatatacaag 360
gaagaggttg caaaccaaa ccatctggca agcctgttag cctgggccat ttaagacagg 420
ggcggtctca gccaaattgc acccatttaa ctatcccaaa gagccacaag tgcctacaac 480
ccaggcccta agttgatgaa gaaaaagtca aggaangagg tgatcaattg gaaatattcc 540
catcaaatgg gtaaaccttat ttgaaaaatg ggcatattag aaaaagcctt ccaagatgat 600
tttgataaat aaaagtggat ttgnggnaat gggataaact ctggttaagc cctacattat 660
cccttaccatt tggtttaggg acctactgac ntaaattaag gaaacatggt aaagtacctt 720
g 721

<210> 911
<211> 564
<212> DNA
<213> Homo sapiens

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tgggaccccg tagtttccca tcccaaacct gctttccgag aaggggcttca aaccctaaat 120
gtgaatcccg cctcccctct cagccagaac tgtggactcg tcccggggag gggcgggtggg 180
tggggcgggg ctggcgggaa atttcggttt tggcgcgctc cctgcggcga cgctccatcg 240
tgcgctctcc tcttcccccg gtggtctcct cgctcgctt ctggctctgc atgccctgct 300
ctgaagagac accgcctatt tcaccagta agcgggcneg gntgcggaaag tggcgcgcat 360
gcagnnccgn ttgcncggt ttctgagcaa gccaaaggccc caacgggggtt ngggcgcgcg 420
gggggttaaga ctgtaaaaatg gctangatta aacataccac tatggagaaa ttttntgaaa 480
nggaattcaa aanngtcctt ttgngttaat gaaaaatggtc aagtnaggtt ggtgaaaaat 540
ttttgattag actgggtaaa atga 564

<210> 912
<211> 408
<212> DNA
<213> Homo sapiens

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<222> (384)
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<220>
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<222> (395)
<223> n equals a,t,g, or c

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atacgcctatt gtcctgcccg ttagagcagc cagcgggtac agaattggatt ttggaagagg 120
gagtcaccac tggacctcca aggaagccac gtgcagacat ctacaacctt cgatectctg 180
acgagtttat tggttggccaa aaccaggctt tgattgaacc aggatgaatg cgggtgtgttg 240
aagtagaata tatatataca tataaaattg gttgggagcc acgtgtacca gtgtgtgttg 300
atcttggtt gattcagttc gccttgtaac agaactggcg atggaatatg agaggagccn 360
ctggaagaa aaggacagan ccnntgcttt catgnaagtg agatcttg 408

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<211> 355
<212> DNA
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<222> (141)
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<220>
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<222> (331)
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<220>
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gccatcctgg ctctcgggggc gccggcctcc aggcctccggg aaggagaact cctaggggcta 120
ctaaatcctc gctggaggng ntggcttctt atgcggggagg acgtggcgga gggcctgact 180
ttggggagccg ggggttgact gaattggtga ggcctgtgtg gctacttctg tggaagcagt 240
gctgtagnatt actggaagat aaaaggga aaagccctt ggtgggggaa atattggctgc 300
gatgatggca ttcttaggac accttgnta ntantgaaac aantancctct gagca 355

<210> 914
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<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (314)
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<221> misc feature
<222> (368)
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aacgccttcg ccttcgggtcc ggaagctcagc agcctcatca cgccgctcgc catccagacc 120
cacaactttg ccgccttgcc cgnccgccgcc tactaccgca gtcagcagca gcagcagcag 180
caggggcctgg cggcccccgc gcagcgccgg cgccgcccag cgcgacctc cccgcgggg 240
ccgcgcgacc tcctcgccg cccttcagct tccanctgcc gcgcgggctt tgctcgantc 300
gcccggtgtt ngangcggcc cccaagcnc cggggattcg ctgttcggaa cgggaaagta 360
acttaaancg ggttctt 377

<210> 915
<211> 509
<212> DNA
<213> Homo sapiens

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gacaacgcc gnttggctgc agatgaactt ccgaaccaag taagtntctc tntcctgggy 180
gctgcagaaag ccaggactgg ggtagggggtt ggggggttta ggaatntgcc ctcacctagc 240
ctagatggcc tgaagctaaa cccccctatg gactcctgaa ctctggggag gtagggaagt 300
cttcagagat gctgagggaag ctctgcctgg ctgcaactat ttctcttgaa aggtttgaga 360
cggaaacaggt ttgcgcgatga gcgtggttagg ccgacatcaa cggctgngca ggtgctggat 420

gagctgacct ngccagaccg acctggagat gcaatcgaag gcctaaggag agttggctac 480
tnaagaggac cttagagtgg nttagattg 509

<210> 916

<211> 135

<212> DNA

<213> Homo sapiens

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<222> (115)

<223> n equals a,t,g, or c

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tnacaacgta acacaangct tacttatagc acccaacaaa antgtctctg tgganccact 120
tcccagtga ctaca 135

<210> 917

<211> 230

<212> DNA

<213> Homo sapiens

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gcctccantc ctgcctctan catgtccatc angngnaccc agaagtccta caaggngtcc 120
anctctgggc ccgggggcct cagcagccgn tctaacacga gtgggncggg ttcccgcac 180
agctcctcga gnttctcccg agtgggnagc agcaacttcc gcggtggnc 230

<210> 918
<211> 529
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature
<222> (297)
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<222> (374)
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<222> (407)
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<220>
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<222> (481)
<223> n equals a,t,g, or c

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<222> (489)
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<220>
<221> misc feature
<222> (519)
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<222> (526)
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ttctctgctc ctagaggttg agaacaaaa catgcacctg gagtttcccc ggagccctct 120
gcgtggttga gcttcggttg aatttcgggg ctcttggtcg ccagcgcgct tgccctggtag 180
caacagaaac cagtcctgct cgcctccgtg gacatttcat taccatccag aagtgtctcc 240

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cactgaaggc atccgtgggt gtttttaagc cacaaaaaag ccacanccaa gatcacntga 300
caaccaccct gacaagtgtt ccatgatgtt gggncengag ggaggtgaag gtttttgtgg 360
tcaagttcct tggncctgcc tgncccggtt tttttgagga cgtgcanaan ttcccttttg 420
actgaangnt tcaagtgtgg gccccaaggt tccatttaat nacattgggg gggcaagcaa 480
nattggtgng gtttttttga attggttcaa aggtgttttna aaatgnccc 529
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<211> 238

<212> DNA

<213> Homo sapiens

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agagtagtcc tgggaagatg ggcctctntg aagnagccac ggggacagca tcntgcagat 120
ggctctggcc cttntccccc cgacctgtct acaagactg tgccctgtgg accctccnnt 180
ctggcacagg aagctggacc ctaaagtccc ttgtncacc gcccaggaan tggtagcc 238

<210> 920
<211> 442
<212> DNA
<213> Homo sapiens

<220>
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<222> (262)
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<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
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 ctccagtgat ttgagaaaac ttacaaaagg tggaaaatct acgtgggcct ccgaaagtca 120
 gatttgacaa gatcaaaagct gcagaaaaat ggacagtgag gttcagagag atggaaaggat 180
 ctgttgatttg attgatgatg cttggcgaga agacaagctg ccttatgagg atgtcgcaat 240
 accactgaat gagcttctctg anccctganca agacaatggt ggcaccacag atctgtcmeta 300
 gancaagaaa tgaagtggac agacttagcc ttacagtacc tccatgagaa tgttcccccc 360
 attggaaact gacgttttgc tntctntctg tggatggatt ttctcaaaat acacagataa 420
 agcatgggtg ttctcagtcg cc 442

<210> 921
 <211> 444
 <212> DNA
 <213> Homo sapiens

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 <222> (430)
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 gtgttagcaa tcagcgagac tccgtgggca taggaacctc cgagccaggt gcgggatgta 120
 atctcgtggt gcaccgtttt ttaagccagt ccgaaaagcg caatatccgg gtgggagtgta 180
 cccaattttc caggtgcgtc cgtcaccctt ttctttgact cggaaaaggga actccctgac 240
 cccttgcgct tcccaagtga ggcaatgctc tccctgcttc ggctgcgcaca cggtgcgcg 300
 anccactgac ctgtgcccac tgtctggcac tccctagtgt agatgaaccg gtacctcaga 360
 tggaaatgca gaaatcancg gtcttctgct tcaatcatgc tggagctgta gaccggagct 420
 gtctctaatin cggcatttgn tcct 444

<210> 922

<211> 394
<212> DNA
<213> Homo sapiens

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<222> (372)
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<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
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<222> (388)
<223> n equals a,t,g, or c

<400> 922
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agcctgcagc cgccccgcgc cgtgacctgc gacctagac cccgactccc tttggctcag 120
cccgcgcgcc ccaggcccgcc cccggcgccgc gcgacgggag gatgagcggc gggcggcgga 180
aggaggagcc gcttcagccg cagctggcca acggggccct caaagtctcc gtctggagta 240
aggctgctgcg gacgacgcgg cctggganga taagataatt ttaagngtga ctantggttc 300
cgacaatatt ctgtgtcntg gtgtcaattt gggattttcc ataacagggtt cttggaatac 360

agatttgctn anantcagat ctgtactnaa ttca

394

<210> 923

<211> 352

<212> DNA

<213> Homo sapiens

<220>

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<222> (331)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

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<222> (348)

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<222> (351)

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tactagacca atgggactta aaccacaaa cacttagtta acagctaagc accctaata 120
actggcttca atctacttct cccgcgcgcg ggaaaaaagg cgggagaagc cccggcaggt 180
ttgagctgc ttcttcgaat ttgcaattca atatgaaat caccctggag ctggtaaaaa 240
gaggcctaac cccgtgtttt agatttacag tccaatgctt cactcagcca tttaacctca 300
ccccaaaaa aaaaaaaaaa aaaaaaaccc ncgggggggg ncccggnncc na 352

<210> 924

<211> 436

<212> DNA

<213> Homo sapiens

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<222> (435)
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gatagaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat 120
aaccaagcat aatatagcaa ggactaaccc ctataccttc tgcataatga attaactaga 180
aataactttg caaggagagc caaagctaag acccccgaac ccagacgagc tacctaagaa 240
cagctaaaaa agcacacccg tctatgtagc aaaatagtgg gaagatttat aggttagaggc 300
gacaaacctta ccgagcctgg tgatagctgg ttgtccaaga tagaatctta gtccaacttt 360
aaatttgncc acagaacctt ctaaaatcccc ttgtaaatat aactgggttag tccaagaggg 420
gacagctctt tngnng 436

<210> 925
<211> 439
<212> DNA
<213> Homo sapiens

<400> 925
cccaaaccct ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag 60
tataggcgat agaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa 120
aaattataac caagcataat atagcaagga ctaaccoccta taccttctgc ataataaatt 180
aactagaaat aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac 240
ctaagaacag ctaaaagagc acaccgctct atgtagcaaa atagtgggaa gattttatagg 300
tagaggcgac aaacctaccg agcctggtga tagctggttg tccaagatag aatctttagt 360
tcaactttaa atttgcccac agaacctcta aatccccctg taaatttaac tggtaagtcc 420
caaggaggac agtctttgg 439

<210> 926
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 926
caatctatca cccatagaa gaactaatgt tagtataagt aacatgaaaa cattctcctc 60

cgcataagcc tgcgtcagat taaaacactg aactgacaat taacagccca atatctacaa 120
tcaaccaaca agtcattatt accctcactg tcaacccaac aaaaaaaaaa aaaaaaana 180
aaa 183

<210> 927

<211> 432

<212> DNA

<213> Homo sapiens

<400> 927

cggaagtggg ggaagatgg aggaccatca gcacgtgccc atcgacatcc agaccagcaa 60
gctgctcgat tggctggtgg acagaaggca ctgcagcctg aaatggcaga gtctggtgct 120
gcgatccgc gagaagatca atgctgccat ccaggacatg ccagagagcg aagagatcgc 180
ccagctgctg tctgggtcct acattcacta ctctcactgc ctaagaatcc tggaccttct 240
caaaaggcaca gaggcctcca cgaagaatat ttttggccga tactcttcac agcggatgaa 300
ggattggcag gagattatag ctctgtatga gaaggacaac acctacttag tggaaactctc 360
tagcctcctg gtccggaatg tcaactatga gatccctcca ctgaagaagc agattgcca 420
gtgccagcag ct 432

<210> 928

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 928

agcaaacctt agccaaacca ttaccacaaa taaagtatag gcgatagaaa ttgaaacctg 60
gcgcaataga tatagtaccg caaggnaaag atgaaaaatt ataaccaagc ataatatagc 120
aaggactaac cctataccct tctgcataat gaattaaacta gaaataactt tgcaaggaga 180
gccaaagcta agacccccga aaccagacga gctacctaa gacagctaaa agagcacacc 240
cgtctatgta gcaaaatagt ggggaagatt ataggtagag gcgacaaacc taccgagcct 300
ggtgtagact ggttgtccaa gatagtatct tagttcaact ttaaatttgc ccacagaacc 360

ctctaaatcc ccttgtaaat ttaactgtta gtcccaagag ggacagctct ttngnacta 420
gggaaaaaac ttgtagggn 439

<210> 929

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<400> 929

ctgcattcag cattttaagg atttatattc atagtcaagc gccgcttaag gaggattcat 60
tctgtgaaat gagtgttag gcagtttcat tgtgcgagca tcatagggtg aacttacaca 120
aacctagggt gcagagccta ctgcacacct cggctgtgtg gtctaacctg ttgctcctgg 180
actgcaaac tgtacagcct gttactgtcc tgaatactgc aggcagttag aacagagtgg 240
tacctagtgt tgtttctaaa catatcgga cctagaaaag gtacagttag aatacgggat 300
tacaatctta tgggaccact gtctgtgtgc ggtctgttgt tgactgaaat gttatgcagt 360
acatgggctg ccatgagatt accttganaa ttttgctga tatgaaacct agatatnacc 420
ttaaatatgg gna 433

<210> 930

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 930

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gtccccact cggagctcct ccagcccgt tcccgatatt gcagcatgtc ccggcggtta 60
cagagcttgg ctgcctcttc tgtcccagga gagagatgct tagagctgtc ctcccaggga 120
gtcatgtcag cctctagggt gtgcatggga gctgagggga cactcctgct gcctccctgg 180
agtggtaatt aacggggact ttctctctcc cagaaccaac atcccgggta acggttgggc 240
tgaaggacag gtgacgtgtc cctaactccc ccccttccct gcccgaggt ccggcatcca 300
acgtcttggc ttcttggtct tcaagcagga cnaccgattg gcttttctga agangcaagn 360
ccttaacctg gtaanttaaa acaaccanaa                               390
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<210> 931

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 931
cggtacgcgt gggcgagcgc gtggcgggac gcgtggggcc atctcacctc ttcattctct 60
tgttacattt gaagcagttg atataatggg ttatacttt aaaagataga catggtgcc 120
tgaagtggg gagttgggtg aattatccca ttctagttac agangagctt tccttaaatg 180
ccctttaact tctaggtttt gttnagaag ttcattttct gagttaaag tnattttcat 240
atatgtttg gggaaaatta actcatcctc aaaaagaatc cttattaggt tanttnaact 300
ccttaaaact naaccnaatc 320

<210> 932
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<400> 932
aaaaagata tattaacagt tttagaagtc agtagaataa aatcttaaag cactcataat 60
atggcatcct tcaatttctg tataaaagca gatcttttta aaaagatact tctgtaactt 120
aagaaacctg gcattttaaata catattttgt ctttaggttaa aagctttggt ttgtgttcgt 180
gtttgtttt ttccacttgt ttccctccca gccccaaacc tttgtttctc tccgtgaaac 240
ttacccttcc cttttncttt ctctt 265

<210> 933
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 933
gtggngcg tctagaact atggatcccc cggtgncag gattacggnc acgagcaagg 60
gcagtgttac acttatgagg aactgtctct agccatccag gnaagtacta ctgggtctga 120
gggatggaaa gttcttccctg ctatgaatga gagtggactc tccccctcac ccccaactga 180
aaccacaaac aaccagaatc ttctggaatt ctgacttaga gtcgttggtta tagaagacct 240
tgttgctatg gaacatgaaa ctgtgtgtca gatggagaga tccccctaac ctaagagcct 300
taaatagccc tgaagtaga ctgggacggt ttgcgatgga attaaaattg gaagtgatat 360
ttttaggtgc tcttgaaagc ttctggggga ctcaaaatta tcaaaagtca gggacagtcc 420
ggaggaagag cgtctgcaaa actgggttcc tagaagtata gancggactt agctg 475

<210> 934
<211> 322
<212> DNA
<213> Homo sapiens

<400> 934
ataaacacaa tctccagaca gatctacctg accgacaacc ctgaggcagt cgcgatcaag 60
ttgaaatcaga ccgctctgca agcagtgtact cccattacaa gttttggaaa aaaacaagaa 120
agctcatgcc ccagccagaa cctgaaaaat tcagagatgg aaaatgaaaa tgacaagatt 180
gttcccacaa caacagccag tctacctgaa cgagaggagc tgatcgcgcc tggaacgccg 240
attcaattcg atattgtgct tctgtctaca gaattccttg atcagaacag agggagcagg 300
cgtaccaacc cttttggtga aa 322

<210> 935
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 935
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ttgcacgctc ttaagagtc tgcactggag gaactctgcc attaccagct cccttcttgc 120
nnangccggt gggaacata cattattca tgccagtctg ttgcatgcag gctttttggc 180
ttcctacctt gcaacaaaat gaattgcacc aactccttag tgccgattcc gccacacagag 240
agtctctggag ccacagctctt ttttgctttg cattgttaga gagggactaa gtgctagaga 300
ntatgtcgtt ttccttgagc taaccnngag cgttcgtgga actgggatca aactgnnttc 360
agggnaaaag gaaaaaa 378

<210> 936

<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 936
ggaggtaagt ggcttcgtgg tctttatagc tgttactctt ttgtactttg tctttttctt 60
ttattttttt ttgagcgatt gtgcgaacat agcatagcac gcactatgcc ttctgtgttg 120
tagctgcctg gccaggggcga ctggcggata aggtcttctg cgtggcctcg angcttaaaa 180
gtaacagtgg ggctttgtga angacaaaat ggcgatggcg ggccgtgtan gtcccccttc 240
ctatgatgaa agacacctttc acagacctgt tactgaactc cgtgaagata aatantctga 300
agaaatnggc cctgcaagcc tcttgcttac ccgtcctgtt ccaaaaaaat acgttttcca 360
aaatgccctg aatttgaact aatntcttat tgggenccecg ntctgccaga ttaccencca 420
ctttggaaca aaaaaaancc ttttgtttgc 450

<210> 937
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 937

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agtctttaaga ccaannaagc acgnaagcgc cgtgaagagc gcctccaggc caagnaggag 60
gngatcatca agactttatc caaggaggaa gagaccaaga aataaaacct cccactttgt 120
ctgtacatac tggcctctgt gattacatag atcagccatt gaaaaataaa caagncttaa 180
tctgcanata ngacaagnan aaaatttcg 209
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<210> 938

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 938

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cagaactgat agaacaaca ctactctttt gaatttgatg gttcgtgtcc tttaaagtgt 60
ttgaggacct atgcagagcc tgtaacactt gggtagtacc tgctaggaca atttcttggc 120
aattgtctta ctactaggga tcagtaagat ttagattctg agcccataat ggcaacagcc 180
coctcaccta tgggaagctg acttccctca gtctgggcaat tctcatgggg gctgaacatg 240
gttctcgcca ttctgtttacc cactctccca ggtgagccct ggattggctc ccagaaggcc 300
ttgtaaaaat ccatagccat cctgcaggca gtgggagcaa caggggcttt catagcttca 360
tttcnngtct tgcagacaag gaccctgggn aacatgtgct gctaatanga taattactcc 420
gttgncncaa ttaccag 437
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<210> 939

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (440)
 <223> n equals a,t,g, or c

<400> 939
 cngacgcgtg ggtcgaccna cgcgtccgcc cagcgtccg cccacgcgtc cgacgacaga 60
 aggggtacggc tgcgagaaga cgcagaaggg tacggctgcg agaagacgnn agaaggggct 120
 ttccacattc gggaaacgtc gggattaggt gaaagtacgt agttgtcttt cgtaaagtaa 180
 aatgataatt gggccgaac ttactgcctt acctaaaagg cagcgcagtc aggatatttg 240
 taggtcgggg gcggctttgg aaacccttaa gttacaagc atgcgcggac ttgagtgttc 300
 attaggtcgc cgggcgtcca cgtgcagccc tggaccctga accccgcgt gcgttgccc 360
 tngcctcgg ggaaaagttc cgtgcactcg gggantccg tgaagctgtt cagccgtctc 420
 tgnatgtgg ccatcttgat tctactctgt 450

<210> 940
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 940
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 catccatgga gcgagctgag agctcgagta cagaacctgc taaggccatc aaacctattg 120
 atcagaagtc agtccatcag atttgcctcg ggcagtggt actgagtcta agcactgcgg 180
 taaaggagtt agtagaaac agtctggatg ctggtgccac taatattgat cta 233

<210> 941
 <211> 238
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (202)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (228)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

His Glu Cys Ala Cys Leu Pro Gly Tyr Ala Gly Asp Gly His Gln Cys
 1 5 10 15

Thr Asp Val Asp Glu Cys Ser Glu Asn Arg Cys His Pro Ala Ala Thr
 20 25 30

Cys Tyr Asn Thr Pro Gly Ser Phe Ser Cys Arg Cys Gln Pro Gly Tyr
 35 40 45

Tyr Gly Asp Gly Phe Gln Cys Ile Pro Asp Ser Thr Ser Ser Leu Thr
 50 55 60

Pro Cys Glu Gln Gln Gln Arg His Ala Gln Ala Gln Tyr Ala Tyr Pro
 65 70 75 80

Gly Ala Arg Phe His Ile Pro Gln Cys Asp Glu Gln Gly Asn Phe Leu
 85 90 95

Pro Leu Gln Cys His Gly Ser Thr Gly Phe Cys Trp Cys Val Asp Pro
 100 105 110

Asp Gly His Glu Val Pro Gly Thr Gln Thr Pro Pro Gly Ser Thr Pro
 115 120 125

Pro His Cys Gly Pro Ser Pro Glu Pro Thr Gln Arg Pro Pro Thr Ile
 130 135 140

Cys Glu Arg Trp Arg Glu Asn Leu Leu Glu His Tyr Gly Gly Thr Pro
 145 150 155 160

Arg Asp Asp Gln Tyr Val Pro Gln Cys Asp Asp Leu Gly His Phe Ile
 165 170 175

Pro Leu Gln Cys His Gly Lys Ser Asp Phe Cys Trp Cys Val Asp Lys
 180 185 190

Asp Gly Arg Glu Val Gln Gly Thr Gly Xaa Pro Ala Arg His His Pro
 195 200 205

Cys Val Tyr Thr His Arg Arg Ser Xaa His Gly Pro Ala His Ala Pro
 210 215 220

Ala Arg Cys Xaa Pro Ser Ile Cys Gly Gln Leu Pro Gly Ala
 225 230 235

<210> 942

<211> 341

<212> PRT

<213> Homo sapiens

<400> 942

Arg Thr Asn Leu Lys Glu Ala Ser Asp Ile Lys Leu Glu Pro Asn Thr
1 5 10 15

Leu Asn Gly Tyr Lys Ser Ser Val Thr Glu Pro Cys Pro Asp Ser Gly
20 25 30

Glu Gln Leu Gln Pro Ala Pro Val Leu Gln Glu Glu Glu Leu Ala His
35 40 45

Glu Thr Ala Gln Lys Gly Glu Ala Lys Cys His Lys Ser Asp Thr Gly
50 55 60

Met Ser Lys Lys Lys Ser Arg Gln Gly Lys Leu Val Lys Gln Phe Ala
65 70 75 80

Lys Ile Glu Glu Ser Thr Pro Val His Asp Ser Pro Gly Lys Asp Asp
85 90 95

Ala Val Pro Asp Leu Met Gly Pro His Ser Asp Gln Gly Glu His Ser
100 105 110

Gly Thr Val Gly Val Pro Val Ser Tyr Thr Asp Cys Ala Pro Ser Pro
115 120 125

Val Gly Cys Ser Val Val Thr Ser Asp Ser Phe Arg Thr Lys Asp Ser
130 135 140

Phe Arg Thr Ala Lys Ser Lys Lys Lys Arg Arg Ile Thr Arg Tyr Asp
145 150 155 160

Ala Gln Leu Ile Leu Glu Asn Asn Ser Gly Ile Pro Lys Leu Thr Leu
165 170 175

Arg Arg Arg His Asp Ser Ser Ser Lys Thr Asn Asp Gln Glu Asn Asp
180 185 190

Gly Met Asn Ser Ser Lys Ile Ser Ile Lys Leu Ser Lys Asp His Asp
195 200 205

Asn Asp Asn Asn Leu Tyr Val Ala Lys Leu Asn Asn Gly Phe Asn Ser
210 215 220

Gly Ser Gly Ser Ser Thr Lys Leu Lys Ile Gln Leu Lys Arg Asp
225 230 235 240

Glu Glu Asn Arg Gly Ser Tyr Thr Glu Gly Leu His Glu Asn Gly Val
245 250 255

Cys Cys Ser Asp Pro Leu Ser Leu Leu Glu Ser Arg Met Glu Val Asp
260 265 270

Asp Tyr Ser Gln Tyr Glu Glu Glu Ser Thr Asp Asp Ser Ser Ser Ser
275 280 285

Glu Gly Asp Glu Glu Glu Asp Asp Tyr Asp Asp Asp Phe Glu Asp Asp
290 295 300

Phe Ile Pro Leu Pro Pro Ala Lys Arg Leu Arg Leu Ile Val Gly Lys
305 310 315 320

Asp Ser Ile Asp Ile Asp Ile Ser Ser Arg Arg Arg Glu Asp Gln Ser
325 330 335

Leu Arg Leu Asn Ala
340

<210> 943

<211> 196

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 943

Xaa Leu Leu Lys Val Trp Arg Ala Xaa Gln Val Ser Val Ala Tyr Asn
1 5 10 15

Ser Leu Asp Phe Glu Pro Glu Ile Phe Phe Ala Leu Gly Ser Pro Ile
20 25 30

Ala Met Phe Leu Thr Ile Arg Gly Val Asp Arg Ile Asp Glu Asn Tyr
35 40 45

Ser Leu Pro Thr Cys Lys Gly Phe Phe Asn Ile Tyr His Pro Leu Asp
 50 55 60
 Pro Val Ala Tyr Arg Leu Glu Pro Met Ile Val Pro Asp Leu Asp Leu
 65 70 75 80
 Lys Ala Val Leu Ile Pro His His Lys Gly Arg Lys Arg Leu His Leu
 85 90 95
 Glu Leu Lys Glu Ser Leu Ser Arg Met Gly Ser Asp Leu Lys Gln Gly
 100 105 110
 Phe Ile Ser Ser Leu Lys Ser Ala Trp Gln Thr Leu Asn Glu Phe Ala
 115 120 125
 Arg Ala His Thr Ser Ser Thr Gln Leu Gln Glu Leu Glu Lys Val
 130 135 140
 Ala Asn Gln Ile Lys Glu Glu Glu Glu Lys Gln Val Val Glu Ala Glu
 145 150 155 160
 Lys Val Val Glu Ser Pro Asp Phe Ser Lys Asp Glu Asp Tyr Leu Gly
 165 170 175
 Lys Val Gly Lys Val Lys Trp Arg Pro Pro Xaa Leu Thr Thr Phe Ser
 180 185 190
 Lys Lys Asn Gln
 195

<210> 944

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944

Pro His Gly Leu Arg Cys Pro Ser Cys Pro Gln Thr Ala Val Ser Arg
 1 5 10 15
 Arg Gln Ala Arg Arg Met Val Thr Glu Thr Ser Arg Arg Arg Ile
 20 25 30
 Gln Glu Leu Glu Glu Arg Arg Arg Xaa Phe Val Glu Ala Cys Arg Ala
 35 40 45

Arg Glu Ala Ala Phe Asp Ala Glu Tyr Gln Arg Asn Pro His Arg Val
 50 55 60

Asp Leu Asp Ile Leu Thr Phe Thr Ile Ala Leu Thr Ala Ser Glu Val
 65 70 75 80

Ile Asn Pro Leu Ile Glu Glu Leu Gly Cys Asp Lys Phe Ile Asn Arg
 85 90 95

Glu

<210> 945

<211> 123

<212> PRT

<213> Homo sapiens

<400> 945

Ser Gly Ser Pro Gly Leu Gln Glu Phe Arg Ala Pro Gly Val Gln Gln
 1 5 10 15

Asp Glu Arg Leu Ala Ser Pro Ile His Ser Thr Tyr Ile Pro Ile Pro
 20 25 30

Thr Ser Ala Ile Cys Ala Thr Gly Ser Asn Gly Ser Ala Pro Thr Arg
 35 40 45

Ile Ser Val Gln Cys Leu Ser Pro Ala Thr Thr Gly Ser Ala Ser Val
 50 55 60

Asp Leu Cys Cys Thr Arg Asp Ile Ser Leu Leu Pro Gly Glu Pro Pro
 65 70 75 80

Ile Ala Val Pro Thr Gly Val Phe Gly Pro Leu Pro Thr Gly Ser Val
 85 90 95

Gly Leu Leu Phe Asp Leu Ser Ser Leu Asn Leu Lys Gly Val Gln Val
 100 105 110

His Thr Gly Val Ile Asp Ser Asp Ile Gln Val
 115 120

<210> 946

<211> 45

<212> PRT

<213> Homo sapiens

<400> 946

Gly Phe Leu Gly Leu Leu Phe Met Pro Gln Ala Thr Tyr Pro Gly Glu
1 5 10 15

Ser Leu Pro Val Leu Leu His Glu Phe Leu Ser His Arg Met His Val
20 25 30

Pro Leu His Phe Val Thr Ser Val Ser Pro Thr Arg Gln
35 40 45

<210> 947

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 947

Gly Pro Arg Arg Gly Pro Gly Gly Cys Ala Ala Pro Ala Thr
1 5 10 15

Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Xaa Leu Xaa Glu Val Thr
20 25 30

Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser Pro
35 40 45

Gln Gly Ala Ser Ser Leu Pro Xaa Thr Met Asn Tyr Pro Leu Trp Ser
50 55 60

Gln Ser Tyr Glu Asp Ser Ser Asn Gln Glu Glu Gly Pro Ser Thr
65 70 75 80

Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val
85 90 95

Ala Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Xaa Glu Pro
100 105 110

Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Lys Leu Ala Ser
115 120 125

Thr Ser Phe Xaa Xaa Ile Phe Lys Gln Lys Leu Ser Asp Phe Leu Cys
130 135 140

Asn Leu Xaa Phe Trp His Ser Lys Leu Glu Trp Xaa Val Gly Pro Pro
145 150 155 160

<210> 948

<211> 53

<212> PRT

<213> Homo sapiens

<400> 948

Ser Asn Trp Ile Ile Asp Cys Asn Cys Leu Glu Ile Tyr His Lys Asn
1 5 10 15

Arg Leu Cys Phe Phe Gly Ile Ala Pro Asn Phe Ser Leu Leu Leu Arg
 20 25 30

Ala Ala His Ala Val Leu Ser Ser Tyr Trp Ser Gln Pro Leu Gly Glu
 35 40 45

Glu Arg Asn Ala Trp
 50

<210> 949

<211> 154

<212> PRT

<213> Homo sapiens

<400> 949

Trp Asp Tyr Ile Leu Cys Ala Gly Leu Arg Glu His Glu Glu Gly Ala
 1 5 10 15

Ile Cys His Thr Leu Glu Ala Glu Ala Cys Thr Ser Ala Ala Arg Leu
 20 25 30

Thr Val Val Gly Gly Gly Asp Gly Asn Cys Arg Ser Ala Arg Val Val
 35 40 45

Glu Lys Leu Leu Gln Gly Phe Ser Gly Phe Ala Cys Pro Ala Ala Pro
 50 55 60

Cys Leu Ala Arg Gly Glu Gly Gly Ala Thr Cys Gly Thr Leu Glu Ala
 65 70 75 80

Gly Ala Cys Arg Trp Trp His Gly Ser Ala Ala His Leu Ala Ala Val Gly
 85 90 95

Gly Gly Asp Arg Asp Cys Ser Leu Thr Val Val Asn Leu Glu Ile Ile
 100 105 110

Cys Leu Glu Ala Leu Ser Leu Ser Trp Asp Leu Lys Arg Arg Gly Ser
 115 120 125

Pro Asn Ser Gln Gln Ser Asn Ser Lys Trp Cys Cys Lys Leu Asn His
 130 135 140

Thr Trp Thr Gly His Ser Ser Glu Asp Pro
 145 150

<210> 950

<211> 442

<212> PRT

<213> Homo sapiens

<400> 950

Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln Val Thr Leu Leu Asp
 1 5 10 15

Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr Phe Ala Leu His Lys
 20 25 30

Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln Phe Gln Phe Met Ala
 35 40 45

Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr Pro Ile Leu Ala Phe
 50 55 60

Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp Ala Gly Pro Met Val
 65 70 75 80

Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Cys Phe Ile Val Ile
 85 90 95

Asp Ala Met Leu Glu Arg Met Lys His Glu Lys Thr Val Asp Ile Tyr
 100 105 110

Gly His Val Thr Cys Met Arg Ser Gln Arg Asn Tyr Met Val Gln Thr
 115 120 125

Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu Leu Glu Ala Ala Thr
 130 135 140

Cys Gly His Thr Glu Val Pro Ala Arg Asn Leu Tyr Ala His Ile Gln
 145 150 155 160

Lys Leu Gly Gln Val Pro Pro Gly Glu Ser Val Thr Ala Met Glu Leu
 165 170 175

Glu Phe Lys Leu Leu Ala Ser Ser Lys Ala His Thr Ser Arg Phe Ile
 180 185 190

Ser Ala Asn Leu Pro Cys Asn Lys Phe Lys Asn Arg Leu Val Asn Ile
 195 200 205

Met Pro Tyr Glu Leu Thr Arg Val Cys Leu Gln Pro Ile Arg Gly Val
 210 215 220

Glu Gly Ser Asp Tyr Ile Asn Ala Ser Phe Leu Asp Gly Tyr Arg Gln
 225 230 235 240

Gln Lys Ala Tyr Ile Ala Thr Gln Gly Pro Leu Ala Glu Ser Thr Glu

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                245                250                255
Asp Phe Trp Arg Met Leu Trp Glu His Asn Ser Thr Ile Ile Val Met
      260                265                270
Leu Thr Lys Leu Arg Glu Met Gly Arg Glu Lys Cys His Gln Tyr Trp
      275                280                285
Pro Ala Glu Arg Ser Ala Arg Tyr Gln Tyr Phe Val Val Asp Pro Met
      290                295                300
Ala Glu Tyr Asn Met Pro Gln Tyr Ile Leu Arg Glu Phe Lys Val Thr
      305                310                315                320
Asp Ala Arg Asp Gly Gln Ser Arg Thr Ile Arg Gln Phe Gln Phe Thr
      325                330                335
Asp Trp Pro Glu Gln Gly Val Pro Lys Thr Gly Glu Gly Phe Ile Asp
      340                345                350
Phe Ile Gly Gln Val His Lys Thr Lys Glu Gln Phe Gly Gln Asp Gly
      355                360                365
Pro Ile Thr Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Val Phe
      370                375                380
Ile Thr Leu Ser Ile Val Leu Glu Arg Met Arg Tyr Glu Gly Val Val
      385                390                395                400
Asp Met Phe Gln Thr Val Lys Thr Leu Arg Thr Gln Arg Pro Ala Met
      405                410                415
Val Gln Thr Glu Asp Gln Tyr Gln Leu Cys Tyr Arg Ala Ala Leu Glu
      420                425                430
Tyr Leu Gly Ser Phe Asp His Tyr Ala Thr
      435                440

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<210> 951

<211> 82

<212> PRT

<213> Homo sapiens

<400> 951

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Asn Ser Lys Val Gly Ile Ser Arg Asn Cys Val Gln Met His Pro Val
  1                5                10                15
Val Ala Leu Gln Glu Val Cys Leu Met Lys Leu Gly Lys His Phe Ala
  20                25                30

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Ile Phe Pro Leu Ala Val Phe Leu Cys Ser Leu Leu Pro Leu Phe Phe
 35 40 45

Pro Trp Phe Val Ile Ile Arg Arg Glu Val Leu Gln Arg Leu Val Ala
 50 55 60

Val Lys Glu Ser Phe Phe Asn Phe Tyr Pro Arg Val Ser His Phe Tyr
 65 70 75 80

Ser Arg

<210> 952

<211> 475

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (465)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (468)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (469)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 952

Leu Val Leu Pro Leu His Ala Val Glu Lys Thr Gly Arg Pro Gly Gln
 1 5 10 15

Pro Ala Leu Lys Met Pro Gly Lys Leu Arg Ser Asp Ala Gly Leu Glu
 20 25 30

Ser Asp Thr Ala Met Lys Lys Gly Glu Thr Leu Arg Lys Gln Thr Glu
 35 40 45

Glu Lys Glu Lys Lys Glu Lys Pro Lys Ser Asp Lys Thr Glu Glu Ile
 50 55 60

Ala Glu Glu Glu Glu Thr Val Phe Pro Lys Ala Lys Gln Val Lys Lys
 65 70 75 80

Lys	Ala	Glu	Pro	Ser	Glu	Val	Asp	Met	Asn	Ser	Pro	Lys	Ser	Lys	Lys	
				85						90					95	
Ala	Lys	Lys	Lys	Glu	Glu	Pro	Ser	Gln	Asn	Asp	Ile	Ser	Pro	Lys	Thr	
		100						105					110			
Lys	Ser	Leu	Arg	Lys	Lys	Lys	Glu	Pro	Ile	Glu	Lys	Lys	Val	Val	Ser	
		115					120					125				
Ser	Lys	Thr	Lys	Lys	Val	Thr	Lys	Asn	Glu	Glu	Pro	Ser	Glu	Glu	Glu	
		130				135					140					
Ile	Asp	Ala	Pro	Lys	Pro	Lys	Lys	Met	Lys	Lys	Glu	Lys	Glu	Met	Asn	
		145			150					155					160	
Gly	Glu	Thr	Arg	Glu	Lys	Ser	Pro	Lys	Leu	Lys	Asn	Gly	Phe	Pro	His	
			165						170					175		
Pro	Glu	Pro	Asp	Cys	Asn	Pro	Ser	Glu	Ala	Ala	Ser	Glu	Glu	Ser	Asn	
			180					185						190		
Ser	Glu	Ile	Glu	Gln	Glu	Ile	Pro	Val	Glu	Gln	Lys	Glu	Gly	Ala	Phe	
		195					200					205				
Ser	Asn	Phe	Pro	Ile	Ser	Glu	Glu	Thr	Ile	Lys	Leu	Leu	Lys	Gly	Arg	
		210				215					220					
Gly	Val	Thr	Phe	Leu	Phe	Pro	Ile	Gln	Ala	Lys	Thr	Phe	His	His	Val	
		225			230					235				240		
Tyr	Ser	Gly	Lys	Asp	Leu	Ile	Ala	Gln	Ala	Arg	Thr	Gly	Thr	Gly	Lys	
			245					250						255		
Thr	Phe	Ser	Phe	Ala	Ile	Pro	Leu	Ile	Glu	Lys	Leu	His	Gly	Glu	Leu	
			260				265						270			
Gln	Asp	Arg	Lys	Arg	Gly	Arg	Ala	Pro	Gln	Val	Leu	Val	Leu	Ala	Pro	
		275					280					285				
Thr	Arg	Glu	Leu	Ala	Asn	Gln	Val	Ser	Lys	Asp	Phe	Ser	Asp	Ile	Thr	
		290				295					300					
Lys	Lys	Leu	Ser	Val	Ala	Cys	Phe	Tyr	Gly	Gly	Thr	Pro	Tyr	Gly	Gly	
		305			310					315				320		
Gln	Phe	Glu	Arg	Met	Arg	Asn	Gly	Ile	Asp	Ile	Leu	Val	Gly	Thr	Pro	
			325					330						335		
Gly	Arg	Ile	Lys	Asp	His	Ile	Gln	Asn	Gly	Lys	Leu	Asp	Leu	Thr	Lys	
		340					345					350				

Leu Lys His Val Val Leu Asp Glu Val Asp Gln Met Leu Asp Met Gly
 355 360 365
 Phe Ala Asp Gln Val Glu Glu Ile Leu Ser Val Ala Tyr Lys Lys Asp
 370 375 380
 Ser Glu Asp Asn Pro Gln Thr Leu Leu Phe Ser Ala Thr Cys Pro His
 385 390 395 400
 Trp Val Phe Asn Val Ala Lys Lys Tyr Met Lys Ser Thr Tyr Glu Gln
 405 410 415
 Val Asp Leu Ile Gly Lys Lys Thr Gln Lys Thr Ala Ile Thr Val Glu
 420 425 430
 His Leu Ala Ile Lys Cys His Trp Thr Gln Arg Ala Ala Val Ile Gly
 435 440 445
 Asp Val Ile Arg Val Tyr Ser Gly His Gln Gly Arg Thr Ile Ile Phe
 450 455 460
 Xaa Glu Thr Xaa Xaa Glu Ala Gln Glu Leu Ser
 465 470 475

<210> 953

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 953

His Glu Ala Lys Trp Ala Arg Glu Glu Glu Glu Ala Gln Arg Arg Leu
 1 5 10 15
 Glu Glu Asn Arg Leu Arg Met Glu Glu Glu Ala Ala Arg Leu Arg His
 20 25 30
 Glu Glu Glu Glu Arg Lys Arg Lys Ala Leu Glu Val Gln Arg Gln Lys
 35 40 45
 Glu Leu Met Arg Gln Arg Gln Gln Gln Glu Ala Leu Arg Arg Leu
 50 55 60
 Gln Gln Gln Gln Gln Gln Gln Gln Leu Ala Gln Met Lys Leu Pro Ser
 65 70 75 80

Ser Ser Thr Trp Gly Gln Gln Ser Asn Thr Thr Ala Cys Gln Ser Gln
 85 90 95
 Ala Thr Leu Ser Leu Ala Glu Ile Gln Lys Leu Glu Glu Arg Glu
 100 105 110
 Arg Gln Xaa Arg Glu Glu Gln Arg Arg Gln Gln Arg Glu Leu Met Lys
 115 120 125
 Ala Leu Gln Gln Gln Gln Gln Gln Gln Gln Lys Leu Ser Gly Trp
 130 135 140
 Gly Asn Val Ser Lys Pro Ser Gly Thr Thr Lys Ser Leu Leu Glu Ile
 145 150 155 160
 Gln Gln Glu Glu Ala Arg Gln Met Gln Lys Gln Gln Gln Gln Gln
 165 170 175
 Gln His Gln Gln Pro Asn Arg Ala Arg Asn Asn Thr His Ser Asn Leu
 180 185 190
 His Thr Ser Ile Gly Asn Ser Val Trp Gly Ser Ile Asn Thr Gly Pro
 195 200 205
 Pro Asn Gln Trp Ala Ser Asp Leu Val Ser Ser Ile Trp Ser Asn Ala
 210 215 220
 Asp Thr Lys Asn Ser Asn Met Gly Phe Trp Asp Asp Ala Val Lys Glu
 225 230 235 240
 Val Gly Pro Arg Asn Ser Thr Asn Lys Asn Lys Asn Asn Ala Ile Ser
 245 250 255
 Val Asn Leu

<210> 954

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 954
 Ile Val Tyr Val Pro Ser His Leu His His Met Xaa Phe Glu Leu Phe
 1 5 10 15

 Xaa Asn Ala Met Arg Ala Thr Val Glu His Gln Glu Asn Gln Pro Xaa
 20 25 30

 Leu Thr Pro Ile Glu Val Ile Val Ala Leu Gly Lys Glu Asp Leu Thr
 35 40 45

 Ile Lys Ile Ser Asp Arg Gly Gly Val Pro Leu Arg Ile Ile Asp
 50 55 60

 Arg Leu Phe Ser Tyr Thr Tyr Ser Thr Ala Pro Thr Pro Val Met Asp
 65 70 75 80

 Asn Ser Arg Asn Ala Pro Leu Ala Gly Phe Gly Tyr Gly Leu Pro Ile
 85 90 95

 Ser Arg Leu Tyr Ala Lys Tyr Phe Gln Gly Xaa Leu Asn Leu Tyr Ser
 100 105 110

 Leu Xaa Gly Tyr Gly Thr Asp Ala Ile Ile Tyr Leu Lys Ala Leu Val

115 120 125
 Thr Xaa Cys Gln Phe Leu Val Cys Met Gln Ser Thr Phe Lys Glu Xaa
 130 135 140

 <210> 955
 <211> 243
 <212> PRT
 <213> Homo sapiens

 <400> 955
 Thr Arg Pro Arg Thr Arg Gly Leu Trp Arg Pro Gly Trp Arg Cys Val
 1 5 10 15
 Pro Phe Cys Gly Trp Arg Trp Ile His Pro Gly Ser Pro Thr Arg Ala
 20 25 30
 Ala Glu Arg Val Glu Pro Phe Leu Arg Pro Glu Trp Ser Gly Thr Gly
 35 40 45
 Gly Ala Glu Arg Gly Leu Arg Trp Leu Gly Thr Trp Lys Arg Cys Ser
 50 55 60
 Leu Arg Ala Arg His Pro Ala Leu Gln Pro Pro Arg Arg Pro Lys Ser
 65 70 75 80
 Ser Asn Pro Phe Thr Arg Ala Gln Glu Glu Glu Arg Arg Arg Gln Asn
 85 90 95
 Lys Thr Thr Leu Thr Tyr Val Ala Ala Val Ala Val Gly Met Leu Gly
 100 105 110
 Ala Ser Tyr Ala Ala Val Pro Leu Tyr Arg Leu Tyr Cys Gln Thr Thr
 115 120 125
 Gly Leu Gly Gly Ser Ala Val Ala Gly His Ala Ser Asp Lys Ile Glu
 130 135 140
 Asn Met Val Pro Val Lys Asp Arg Ile Ile Lys Ile Ser Phe Asn Ala
 145 150 155 160
 Asp Val His Ala Ser Leu Gln Trp Asn Phe Arg Pro Gln Gln Thr Glu
 165 170 175
 Ile Tyr Val Val Pro Gly Glu Thr Ala Leu Ala Phe Tyr Arg Ala Lys
 180 185 190

Asn Pro Thr Asp Lys Pro Val Ile Gly Ile Ser Thr Tyr Asn Ile Val
 195 200 205

Pro Phe Glu Ala Gly Gln Tyr Phe Asn Lys Ile Gln Cys Phe Cys Phe
 210 215 220

Glu Glu Gln Arg Leu Asn Pro Gln Glu Glu Val Gly Tyr Ala Ser Val
 225 230 235 240

Phe Leu His

<210> 956
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 956
 Gly Leu Val Val Thr Leu Leu Thr His Xaa Phe Xaa Ile Asn Ser Xaa
 1 5 10 15

Asn Phe Cys Thr Ser Ala Lys Asp Ala Phe Val Ile Leu Val Glu Asn
 20 25 30

Ala Leu Arg Val Ala Thr Ile Asn Thr Val Gly Asp Phe Met Leu Phe
 35 40 45

Leu Gly Lys Val Leu Ile Val Cys Ser Thr Gly Leu Ala Gly Ile Met
 50 55 60

Leu Leu Asn Tyr Gln Gln Asp Tyr Thr Val Trp Val Leu Pro Leu Ile
 65 70 75 80

Ile Val Cys Leu Phe Ala Phe Leu Val Ala His Cys Phe Leu Ser Ile
 85 90 95
 Tyr Glu Met Val Val Asp Val Leu Phe Leu Cys Phe Ala Ile Asp Thr
 100 105 110
 Lys Tyr Asn Asp Gly Ser Pro Gly Arg Glu Phe Tyr Met Asp Lys Val
 115 120 125
 Leu Met Glu Phe Val Glu Asn Ser Arg Lys Ala Met Lys Glu Ala Gly
 130 135 140
 Lys Gly Gly Val Ala Asp Ser Arg Glu Leu Asn Arg Cys Phe Gly Ser
 145 150 155 160
 Lys Phe Cys Leu Asn Leu Ala Asp Gly Tyr Gly Asn Pro Leu Thr Phe
 165 170 175
 Gln Asn Asn Ile Tyr Thr His Thr
 180

<210> 957

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 957

Ser Arg Ser Pro Val Leu Asp Pro Ser Glu Pro Gln Pro Leu Ala Ala
 1 5 10 15
 Met His Val Ile Lys Arg Asp Gly Arg Gln Glu Arg Val Met Phe Asp
 20 25 30
 Lys Ile Thr Ser Arg Ile Gln Lys Leu Cys Tyr Gly Leu Asn Met Asp
 35 40 45
 Phe Val Asp Pro Ala Gln Ile Thr Met Lys Val Ile Gln Gly Leu Tyr
 50 55 60
 Ser Gly Val Thr Thr Val Glu Leu Asp Thr Leu Ala Ala Glu Thr Ala
 65 70 75 80
 Ala Thr Leu Thr Thr Lys His Pro Asp Tyr Ala Ile Leu Ala Ala Arg
 85 90 95

Ile Ala Val Ser Asn Leu His Lys Glu Thr Lys Lys Val Phe Ser Asp
 100 105 110

Val Met Glu Asp Leu Tyr Xaa Leu His Lys Ser Thr
 115 120

<210> 958

<211> 117

<212> PRT

<213> Homo sapiens

<400> 958

Ser Ile Met Phe Val Ala Leu Met Lys Tyr Phe Gln Glu Met Cys Pro
 1 5 10 15

Gly Val Ala Leu Ala Met Leu Thr Arg Pro Leu Val Thr Gln Arg Ala
 20 25 30

Leu Gly Pro Asp Gly Asp Leu Pro Leu Arg Phe Leu Tyr Gln Ala Leu
 35 40 45

Ser Ser His Gly Ala Ser Gly Thr Ser Leu Leu Ser Trp Glu Lys Gly
 50 55 60

Asn Trp Leu Pro Arg Gln Val Val Glu Ser Val Ala Gly Thr Arg Leu
 65 70 75 80

Glu Ala His Leu Val Val Asn Arg Ala Gln Trp Gly Arg Leu Gly Met
 85 90 95

Leu Trp Ser Met Gly Leu Phe Pro Gly Glu Cys Ser Gly Met Ser Ser
 100 105 110

Gln Leu Leu Trp Cys
 115

<210> 959

<211> 267

<212> PRT

<213> Homo sapiens

<400> 959

Ser Met Pro Gly Trp Arg Leu Leu Thr Gln Val Gly Ala Gln Val Leu
 1 5 10 15

Gly Arg Leu Gly Asp Gly Leu Gly Ala Ala Leu Gly Pro Gly Asn Arg

20	25	30
Thr His Ile Trp Leu Phe Val Arg Gly Leu His Gly Lys Ser Gly Thr		
35	40	45
Trp Trp Asp Glu His Leu Ser Glu Glu Asn Val Pro Phe Ile Lys Gln		
50	55	60
Leu Val Ser Asp Glu Asp Lys Ala Gln Leu Ala Ser Lys Leu Cys Pro		
65	70	75
Leu Lys Asp Glu Pro Trp Pro Ile His Pro Trp Glu Pro Gly Ser Phe		
85	90	95
Arg Val Gly Leu Ile Ala Leu Lys Leu Gly Met Met Pro Leu Trp Thr		
100	105	110
Lys Asp Gly Gln Lys His Val Val Thr Leu Leu Gln Val Gln Asp Cys		
115	120	125
His Val Leu Lys Tyr Thr Ser Lys Glu Asn Cys Asn Gly Lys Met Ala		
130	135	140
Thr Leu Ser Val Gly Gly Lys Thr Val Ser Arg Phe Arg Lys Ala Thr		
145	150	155
Ser Ile Leu Glu Phe Tyr Arg Glu Leu Gly Leu Pro Pro Lys Gln Thr		
165	170	175
Val Lys Ile Phe Asn Ile Thr Asp Asn Ala Ala Ile Lys Pro Gly Thr		
180	185	190
Pro Leu Tyr Ala Ala His Phe Arg Pro Gly Gln Tyr Val Asp Val Thr		
195	200	205
Ala Lys Thr Ile Gly Lys Gly Phe Gln Gly Val Met Lys Arg Trp Gly		
210	215	220
Phe Lys Gly Gln Pro Ala Thr His Gly Gln Thr Lys Thr His Arg Arg		
225	230	235
Pro Gly Ala Val Ala Thr Gly Asp Ile Gly Arg Val Trp Pro Gly Thr		
245	250	255
Lys Met Pro Gly Lys Met Gly Lys Cys Gly Glu		
260	265	

<210> 960

<211> 165

<212> PRT

<213> Homo sapiens

<400> 960

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Pro Arg Val Arg Ala Arg Trp Arg Arg Gly His Phe Phe His Cys Pro
 1             5             10             15

Ser Glu Gly Thr Leu Ser Ser Val Ser Gly Ala Val Phe Gln Leu Arg
                20             25             30

Val Val Pro Arg Glu Ser Glu Arg Pro Ser Pro Gly Trp Cys Asp Gly
                35             40             45

Arg Gly Gly Gly Gln Ala Gly Arg Ala Ala Val His Gln Arg Gly Gly
 50             55             60

Arg Ala Gly Gln Arg Arg Arg Pro Gly Leu Leu Pro Asp Leu Gly Val
 65             70             75             80

Ser Ala Val Gly Gly His Gly Arg His Pro Arg Pro His Arg Pro Leu
                85             90             95

Arg Leu His Leu Leu Pro Ala Arg Leu Arg Pro Ala Leu Pro Ala Pro
 100            105            110

His Ser Gln Gly Gly Lys Glu Val Glu Gln Ile Phe Gln Ile Thr Glu
 115            120            125

Thr Ser Leu Tyr Arg Arg Pro His Arg Gly Pro Leu His Leu Arg Pro
 130            135            140

Val Leu Asp Val Pro Leu Arg His Gly Ala Arg Leu Leu Lys Trp Gly
 145            150            155            160

Pro Gly Gly Leu Phe
                165

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<210> 961

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 961

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Thr Ala Thr Thr Glu Val Glu Val Leu Asp Met Xaa Val Leu Pro Leu

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1           5           10           15
Val Tyr Ile Leu Met Asn Ile Asp Val Asn Lys Lys Gly Lys Lys Gln
      20                25                30
Asn Thr Arg Phe Phe Pro Ile Leu Met Leu Ala Pro Ser Lys Ser Leu
      35                40                45
Pro Thr Arg Met Asn Thr Phe Pro Lys Leu Asn Lys Phe Leu Phe Ile
      50                55                60
Lys Leu Arg Leu Lys Phe Val Gly Leu Gly Ser Phe Leu Lys Pro Arg
      65                70                75                80
Ala Cys Pro Leu Pro Thr Pro Pro Ser Phe Ala Pro Lys
      85                90

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<210> 962

<211> 173

<212> PRT

<213> Homo sapiens

<400> 962

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Glu Pro Lys Ala Lys Pro His Arg Ser Arg Gly Ser Gly Thr Arg Ala
1           5           10           15
Val Arg Arg Arg Ser Cys Leu Gln Ser Ala Ala Glu Ala Ala His Gly
      20                25                30
Pro Asp Thr Pro Ala Ala Arg Ala Leu Gln Ser Leu Gly His Pro Val
      35                40                45
Val Gly Asp Leu Thr Tyr Gly Glu Val Ser Gly Arg Glu Asp Arg Pro
      50                55                60
Phe Arg Met Met Leu His Ala Phe Tyr Leu Arg Ile Pro Thr Asp Thr
      65                70                75                80
Glu Cys Val Glu Val Cys Thr Pro Asp Pro Phe Leu Pro Ser Leu Asp
      85                90                95
Ala Cys Trp Ser Pro His Thr Leu Leu Gln Ser Leu Asp Gln Leu Val
      100               105               110
Gln Ala Leu Arg Ala Thr Pro Asp Pro Asp Pro Glu Asp Arg Gly Pro
      115               120               125
Arg Pro Gly Ser Pro Ser Ala Leu Leu Pro Gly Pro Gly Arg Pro Pro
      130               135               140

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Pro Pro Pro Thr Lys Pro Pro Glu Thr Glu Ala Gln Arg Gly Pro Cys
 145 150 155 160

Leu Gln Trp Leu Ser Glu Trp Thr Leu Glu Pro Asp Ser
 165 170

<210> 963

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 963

Ser Ser Arg Gly Glu Pro Arg Ala Ala Leu Leu Cys Lys Arg Ser Asp
 1 5 10 15

Val Leu Leu Glu Pro Phe Arg Arg Gly Val Met Glu Lys Leu Gln Leu
 20 25 30

Gly Pro Glu Ile Leu Gln Arg Glu Asn Pro Arg Leu Ile Tyr Xaa Xaa
 35 40 45

Leu Ser Gly Phe Gly Gln Ser Gly Lys Leu Leu Pro Val Ser Trp Pro
 50 55 60

Arg Tyr Gln Leu Phe Gly Phe Cys Ser Gly Gly Arg Xaa Gln His Ile
 65 70 75 80

<210> 964

<211> 89

<212> PRT

<213> Homo sapiens

<400> 964

Ala Glu Ala Leu Gly Ser Pro Cys Phe Pro Gln Asp Leu Leu Leu Ala
 1 5 10 15

Asn Arg Ser Ser Arg Gln Leu Leu Gln Cys Val Ser His Pro Ala Asn
 20 25 30

Arg Ser Val Cys Ile Ser Val Lys Glu Asn Ser Leu Val Pro Pro Gly
 35 40 45

Ser Ala Trp Lys Leu Asp Ala Asn Phe Tyr Ile Ala Trp Gln Thr Asp
 50 55 60

Gln Gln Cys Gln Ala Leu Ile Cys Ile Leu His Tyr Pro Phe Thr Trp
 65 70 75 80

Phe Leu Ala Leu Asn Gly Leu Gln Pro
 85

<210> 965

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 965

Gly Arg Ala Ser Glu Arg Ala Ser Arg Gln Gln Ala Ala Gly Gly Arg
 1 5 10 15

Ala Asp Gly Thr Glu Gly Gly Ser Glu Arg Ala Val Ser Lys Pro Ala
 20 25 30

Arg Ala Val Gly Ser Arg Gly Gln Pro Arg Phe Leu Arg Ser Leu Arg
 35 40 45

Pro Pro Pro Trp Ser Pro Gln Arg Leu Arg Cys Pro Glu Asp Arg Thr
 50 55 60

Arg Pro Gly Pro Ala Met Ala Ser Leu Leu Lys Val Asp Gln Glu Val
 65 70 75 80

Lys Leu Lys Val Asp Ser Phe Arg Glu Arg Ile Thr Ser Glu Ala Glu
 85 90 95
 Asp Leu Val Ala Asn Phe Phe Pro Lys Lys Leu Leu Glu Leu Asp Ser
 100 105 110
 Phe Leu Lys Glu Pro Ile Leu Asn Ile His Asp Leu Thr Gln Ile His
 115 120 125
 Ser Asp Met Asn Leu Pro Val Pro Asp Pro Ile Leu Leu Thr Asn Ser
 130 135 140
 His Asp Gly Leu Asp Gly Pro Thr Tyr Lys Lys Arg Arg Leu Asp Glu
 145 150 155 160
 Cys Glu Glu Ala Phe Gln Gly Thr Lys Val Phe Val Met Pro Asn Gly
 165 170 175
 Met Leu Lys Ser Asn Gln Gln Leu Val Asp Ile Ile Glu Lys Val Lys
 180 185 190
 Pro Glu Ile Arg Leu Leu Ile Glu Lys Cys Asn Thr Val Lys Met Trp
 195 200 205
 Val Gln Leu Leu Ile Pro Arg Ile Glu Xaa Gly Asn Asn Phe Gly Val
 210 215 220
 Ser Ile Gln Glu Glu Thr Val Ala Glu Leu Arg Thr Val Glu Ser Glu
 225 230 235 240
 Ala Ala Ser Tyr Leu Asp Gln Ile Ser Arg Tyr Tyr Ile Thr Arg Ala
 245 250 255
 Lys Leu Val Ser Lys Ile Ala Lys Tyr Pro His Val Glu Asp Tyr Arg
 260 265 270
 Arg Thr Val Thr Glu Ile Asp Glu Lys Glu Tyr Ile Ser Leu Arg Leu
 275 280 285
 Ile Ile Ser Glu Leu Arg Asn Gln Tyr Val Thr Leu His Asp Met Ile
 290 295 300
 Leu Lys Asn Ile Glu Lys Ile Lys Arg Pro Arg Ser Ser Asn Ala Glu
 305 310 315 320
 Thr Leu Tyr

<210> 966

<211> 314
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (300)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Val	Ser	Pro	Gln	Lys	Ala	Ala	Ser	Leu	Val	Arg	Ile	Arg	Trp	Arg	His
1				5					10					15	
Val	Arg	Pro	Ser	Pro	Pro	Ser	Ala	Ser	Arg	Leu	Arg	Arg	Leu	Pro	Pro
		20						25					30		
Arg	His	Leu	Thr	Val	Ala	Xaa	Arg	Pro	Arg	Arg	Glu	Gly	Val	Gly	Thr
	35						40					45			
Gly	Ser	Arg	Ala	Val	Leu	Cys	Ile	Leu	Ala	Thr	Cys	Gly	Ser	Lys	Met
50					55						60				
Ser	Asp	Ile	Gly	Asp	Trp	Phe	Arg	Ser	Ile	Pro	Ala	Ile	Thr	Arg	Tyr
65					70				75					80	
Trp	Phe	Ala	Ala	Thr	Val	Ala	Val	Pro	Leu	Val	Gly	Lys	Leu	Gly	Leu
			85					90					95		
Ile	Ser	Pro	Ala	Tyr	Leu	Phe	Leu	Trp	Pro	Glu	Ala	Phe	Leu	Tyr	Arg
		100						105					110		
Phe	Gln	Ile	Trp	Arg	Pro	Ile	Thr	Ala	Thr	Phe	Tyr	Phe	Pro	Val	Gly
	115					120						125			
Pro	Gly	Thr	Gly	Phe	Leu	Tyr	Leu	Val	Asn	Leu	Tyr	Phe	Leu	Tyr	Gln
	130					135					140				
Tyr	Ser	Thr	Arg	Leu	Glu	Thr	Gly	Ala	Phe	Asp	Gly	Arg	Pro	Ala	Asp
145				150					155					160	
Tyr	Leu	Phe	Met	Leu	Leu	Phe	Asn	Trp	Ile	Cys	Ile	Val	Ile	Thr	Gly
		165						170					175		
Leu	Ala	Met	Asp	Met	Gln	Leu	Leu	Met	Ile	Pro	Leu	Ile	Met	Ser	Val
		180						185					190		

Leu Tyr Val Trp Ala Gln Leu Asn Arg Asp Met Ile Val Ser Phe Trp
 195 200 205
 Phe Gly Thr Arg Phe Lys Ala Cys Tyr Leu Pro Trp Val Ile Leu Gly
 210 215 220
 Phe Asn Tyr Ile Ile Gly Gly Ser Val Ile Asn Glu Leu Ile Gly Asn
 225 230 235 240
 Leu Val Gly His Leu Tyr Phe Phe Leu Met Phe Arg Tyr Pro Met Asp
 245 250 255
 Leu Gly Gly Arg Asn Phe Leu Ser Thr Pro Gln Phe Leu Tyr Arg Trp
 260 265 270
 Leu Pro Ser Arg Arg Gly Gly Val Ser Gly Phe Gly Val Pro Pro Ala
 275 280 285
 Ser Met Arg Arg Ala Ala Asp Gln Asn Gly Gly Xaa Gly Arg His Asn
 290 295 300
 Trp Gly Gln Gly Phe Arg Leu Gly Asp Gln
 305 310

<210> 967

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 967

Thr Ser Ser Asp Thr Leu Thr Val Leu Ser Arg Ala Arg Leu Gly Ser
 1 5 10 15
 Leu Leu Trp Gln Asn Leu Gly Ser Gln Glu Val Leu Val Pro Gly Asn
 20 25 30
 Ser Cys Phe Ser Gly Ala Gly Leu Tyr Ser Leu Gln Pro Leu Ala Leu
 35 40 45

Pro Ser Trp Asn Gln Gly Gln Arg Leu Ser Pro Thr Leu Val Ser Ile
 50 55 60
 Phe Gln Lys Thr Gly Asn Ala Val Arg Ala Ile Gly Arg Leu Ser Ser
 65 70 75 80
 Met Ala Met Ile Ser Gly Leu Ser Gly Arg Lys Ser Ser Thr Gly Ser
 85 90 95
 Pro Thr Ser Pro Leu Asn Ala Glu Lys Leu Glu Ser Glu Glu Asp Val
 100 105 110
 Ser Gln Ala Phe Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys
 115 120 125
 Pro Tyr Phe Ser Lys Thr Ile Arg Asp Leu Glu Val Val Glu Gly Ser
 130 135 140
 Ala Ala Arg Phe Asp Cys Lys Ile Glu Gly Tyr Pro Asp Pro Glu Val
 145 150 155 160
 Val Trp Xaa Gln Arg Trp Thr Ser Ser Ile Arg Glu Ser Arg Xaa Phe
 165 170 175
 Pro Asp Arg Leu Arg
 180

<210> 968

<211> 291

<212> PRT

<213> Homo sapiens

<400> 968

His Gly Ala Gly Glu Ser Glu Pro Ser Ser Arg Val Pro Arg Arg Ala
 1 5 10 15
 Ala Ser Pro Gly His Val Pro Arg Leu Arg Gly Thr Arg Pro Glu Leu
 20 25 30
 Arg Glu Arg Arg Arg Val Arg Arg Pro Arg Ala Pro Pro Ala Ala Ala
 35 40 45
 Gln Ala Ala Gln Gln Lys Phe His Leu Val Pro Ser Ile Asn Thr Met
 50 55 60
 Ser Gly Ser Gln Glu Leu Gln Trp Met Val Gln Pro His Phe Leu Gly
 65 70 75 80
 Pro Ser Ser Tyr Pro Arg Pro Leu Thr Tyr Pro Gln Tyr Ser Pro Pro

85	90	95
Gln Pro Arg Pro Gly Val Ile Arg Ala Leu Gly Pro Pro Pro Gly Val 100	105	110
Arg Arg Arg Pro Cys Glu Gln Ile Ser Pro Glu Glu Glu Arg Arg 115	120	125
Arg Val Arg Arg Glu Arg Asn Lys Leu Ala Ala Ala Lys Cys Arg Asn 130	135	140
Arg Arg Lys Glu Leu Thr Asp Phe Leu Gln Ala Glu Thr Asp Lys Leu 145	150	155
Glu Asp Glu Lys Ser Gly Leu Gln Arg Glu Ile Glu Glu Leu Gln Lys 165	170	175
Gln Lys Glu Arg Leu Glu Leu Val Leu Glu Ala His Arg Pro Ile Cys 180	185	190
Lys Ile Pro Glu Gly Ala Lys Glu Gly Asp Thr Gly Ser Thr Ser Gly 195	200	205
Thr Ser Ser Pro Pro Ala Pro Cys Arg Pro Val Pro Cys Ile Ser Leu 210	215	220
Ser Pro Gly Pro Val Leu Glu Pro Glu Ala Leu His Thr Pro Thr Leu 225	230	235
Met Thr Thr Pro Ser Leu Thr Pro Phe Thr Pro Ser Leu Val Phe Thr 245	250	255
Tyr Pro Ser Thr Pro Glu Pro Cys Ala Ser Ala His Arg Lys Ser Ser 260	265	270
Ser Ser Ser Gly Asp Pro Ser Ser Asp Pro Leu Gly Ser Pro Thr Leu 275	280	285
Leu Ala Leu 290		

<210> 969

<211> 313

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (312)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (313)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 969
 Glu Glu Glu Lys Lys Asp Ser Gly Val Ala Ser Thr Glu Asp Ser Ser
 1 5 10 15
 Ser Ser His Ile Thr Ala Ala Ala Ile Ala Ala Lys Lys His Pro Phe
 20 25 30
 Tyr Thr Xaa Pro Ala Val Val Met Ala His Gly Glu Gln Pro Ile Pro
 35 40 45
 Gly Leu Ile Asn Tyr Ser His His Ser Thr Asp Glu Arg Xaa Pro Asp
 50 55 60
 Ser Ile Ile Ser Arg Gly Val Gln Val Leu Pro Arg Asp Thr Ala Ser
 65 70 75 80
 Leu Ser Thr Thr Pro Ser Glu Ser Pro Arg Ala Gln Ala Thr Ser Arg
 85 90 95
 Leu Ser Thr Ala Ser Cys Pro Thr Pro Lys Val Gln Ser Arg Cys Ser
 100 105 110
 Ser Lys Glu Asn Ile Leu Arg Ala Xaa His Ser Ala Val Asp Ile Thr
 115 120 125

Lys Val Ala Arg Arg His Arg Met Xaa Pro Phe Pro Leu Thr Ser Met
 130 135 140
 Asp Lys Ala Phe Ile Thr Val Leu Glu Met Thr Pro Val Leu Gly Thr
 145 150 155 160
 Glu Ile Ile Asn Tyr Arg Asp Gly Met Gly Arg Val Leu Ala Gln Asp
 165 170 175
 Val Tyr Ala Lys Asp Asn Leu Pro Pro Phe Pro Ala Ser Val Lys Asp
 180 185 190
 Gly Tyr Ala Val Arg Ala Ala Asp Gly Pro Gly Asp Arg Phe Ile Ile
 195 200 205
 Gly Glu Ser Gln Ala Gly Glu Gln Pro Thr Gln Thr Val Met Pro Gly
 210 215 220
 Gln Val Met Arg Val Thr Thr Gly Ala Pro Ile Pro Cys Gly Ala Asp
 225 230 235 240
 Ala Val Val Gln Val Glu Asp Thr Glu Leu Ile Arg Glu Ser Asp Asp
 245 250 255
 Gly Thr Glu Glu Leu Glu Val Arg Ile Leu Val Gln Ala Arg Pro Gly
 260 265 270
 Gln Asp Ile Arg Pro Ile Gly His Asp Ile Lys Arg Gly Glu Cys Val
 275 280 285
 Leu Ala Lys Gly Thr His Met Gly Pro Ser Glu Ile Gly Leu Leu Ala
 290 295 300
 Thr Val Gly Val Thr Glu Val Xaa Xaa
 305 310

<210> 970

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

His Met Lys Lys Gln Leu Leu Val Pro Asp Tyr Gly His Phe His Val

1 5 10 15
Xaa Glu Phe Leu Lys Leu Ser Leu Leu Arg Met Val Leu Leu Pro Ala
 20 25 30
Asp Ser Tyr Leu Phe Val Phe Ser Ser Phe
 35 40

<210> 971
<211> 67
<212> PRT
<213> Homo sapiens

<400> 971
Gln Lys Asp Arg Glu Ile Arg Ile Phe Cys Ala Glu Ser Pro Lys Phe
1 5 10 15
Pro Pro Glu Cys Asn Leu Gln Leu Pro Tyr Leu Leu Ser His Met Pro
 20 25 30
Ser Asn Met Leu Asp Trp Leu Ile His Arg Pro Thr Gln Asn Thr Asn
 35 40 45
Val Thr Cys Ser Cys Ser Leu Val Ala Ile Cys Leu Phe Ser Met Tyr
 50 55 60
Pro Ala Trp
65

<210> 972
<211> 54
<212> PRT
<213> Homo sapiens

<400> 972
Ile Val Phe Phe Phe Ser Leu Phe Tyr Lys Cys Gln Phe Asn Ser Arg
1 5 10 15
Ala Leu Ala Gln Tyr Phe Leu Met Ile Phe Ser Pro Arg Lys Arg Arg
 20 25 30
Lys Ser Leu Leu Val Thr Gln Leu Arg Cys Gln Thr Ser Ser Glu Thr
 35 40 45
Cys Thr Val Ala Ala Tyr
50

<210> 973
<211> 102
<212> PRT
<213> Homo sapiens

<400> 973
Val Val Leu Phe Glu His Lys Leu His Phe Tyr Phe Leu Met Gln Arg
1 5 10 15
Met Asn Lys Leu Asn Thr Cys Phe Glu Asp Arg Ser Arg Cys Ser Val
20 25 30
Trp His His Val Ile Ile Cys Leu Phe Tyr Asn Ile His Val Ser Leu
35 40 45
Arg Asn His Gly Arg Asp Val Arg Ala Glu Tyr Thr Gln Gln Met Leu
50 55 60
Lys Glu Lys Glu Gly Ser Val Leu Gln Lys Lys Lys Arg Thr Asn
65 70 75 80
Arg Ile Leu Thr Leu Leu Thr Phe Pro Asn Phe Pro Met Leu Leu Val
85 90 95
Asn Ile Ile Ile Val Ser
100

<210> 974
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (297)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (316)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (321)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (335)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (347)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (363)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 974
 Gly Met Lys Thr Asn Gly Gly Arg Cys Arg Val Arg Ala Leu Cys Trp
 1 5 10 15
 Ser Arg Arg Glu Trp Arg Gly Ala Gly Met Ala Gln Lys Lys Tyr Leu
 20 25 30
 Gln Ala Lys Leu Thr Gln Phe Leu Arg Glu Asp Arg Ile Gln Leu Trp
 35 40 45
 Lys Pro Pro Tyr Thr Asp Glu Asn Lys Lys Val Gly Leu Ala Leu Lys
 50 55 60
 Asp Leu Ala Lys Gln Tyr Ser Asp Arg Leu Glu Cys Cys Glu Asn Glu
 65 70 75 80
 Val Glu Lys Val Ile Glu Glu Ile Arg Cys Lys Ala Ile Glu Arg Gly
 85 90 95
 Thr Gly Asn Asp Asn Tyr Arg Thr Thr Gly Ile Ala Thr Ile Glu Val
 100 105 110
 Phe Leu Pro Pro Arg Leu Lys Lys Asp Arg Lys Asn Leu Leu Glu Thr
 115 120 125
 Arg Leu His Ile Thr Gly Arg Glu Leu Arg Ser Lys Ile Ala Glu Thr
 130 135 140
 Phe Gly Leu Gln Glu Asn Tyr Ile Lys Ile Val Ile Asn Lys Lys Gln
 145 150 155 160
 Leu Gln Leu Gly Lys Thr Leu Glu Glu Gln Gly Val Ala His Asn Val
 165 170 175
 Lys Ala Met Val Leu Glu Leu Lys Gln Ser Glu Glu Asp Ala Arg Lys
 180 185 190

Asn Phe Gln Leu Glu Glu Glu Glu Gln Asn Glu Ala Lys Leu Lys Glu
 195 200 205
 Lys Gln Ile Gln Arg Thr Lys Arg Gly Leu Glu Ile Leu Ala Lys Arg
 210 215 220
 Ala Ala Glu Thr Val Val Asp Pro Glu Met Thr Pro Tyr Leu Asp Ile
 225 230 235 240
 Ala Asn Gln Thr Gly Arg Ser Ile Arg Ile Pro Pro Ser Glu Arg Lys
 245 250 255
 Ala Leu Met Leu Ala Met Gly Tyr His Glu Lys Gly Arg Ala Phe Leu
 260 265 270
 Lys Arg Lys Glu Tyr Gly Ile Ala Leu Pro Cys Leu Leu Asp Ala Asp
 275 280 285
 Lys Tyr Phe Cys Glu Cys Cys Arg Xaa Leu Leu Asp Thr Val Asp Asn
 290 295 300
 Tyr Ala Val Leu Gln Leu Asp Ile Val Trp Cys Xaa Phe Arg Leu Glu
 305 310 315 320
 Xaa Leu Glu Cys Leu Asp Asp Ala Glu Lys Lys Leu Asn Leu Xaa Gln
 325 330 335
 Lys Cys Phe Lys Asn Cys Tyr Gly Glu Asn Xaa Gln Arg Leu Val His
 340 345 350
 Ile Lys Val Cys Ser Trp Glu Phe Ile Leu Xaa Ala Arg
 355 360 365

<210> 975

<211> 146

<212> PRT

<213> Homo sapiens

<400> 975

Arg Gly Cys Lys Arg Glu Gly Leu Ala Met Ser Ser Leu Ile Arg Arg
 1 5 10 15
 Val Ile Ser Thr Ala Lys Ala Pro Gly Ala Ile Gly Pro Tyr Ser Gln
 20 25 30
 Ala Val Leu Val Asp Arg Thr Ile Tyr Ile Ser Gly Gln Ile Gly Met
 35 40 45

Asp Pro Ser Ser Gly Gln Leu Val Ser Gly Gly Val Ala Glu Glu Ala
50 55 60

Lys Gln Ala Leu Lys Asn Met Gly Glu Ile Leu Lys Ala Ala Gly Cys
65 70 75 80

Asp Phe Thr Asn Val Val Lys Thr Thr Val Leu Leu Ala Asp Ile Asn
85 90 95

Asp Phe Asn Thr Val Asn Glu Ile Tyr Lys Gln Tyr Phe Lys Ser Asn
100 105 110

Phe Pro Ala Arg Ala Ala Tyr Gln Val Ala Ala Leu Pro Lys Gly Ser
115 120 125

Arg Ile Glu Ile Glu Ala Val Ala Ile Gln Gly Pro Leu Thr Thr Ala
130 135 140

Ser Leu
145

<210> 976

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 976

Ser Ser Glu Leu Leu Leu His Ser Phe Leu Gly Ser Val Ser Ser Gln
1 5 10 15

Asn His Arg Tyr Pro Xaa Xaa Ser Gln Thr Thr Ala Leu Gly Glu Gly
20 25 30

Thr Ile Arg Phe Thr Xaa Gly Phe His Thr Leu Met Leu Leu Ala Phe
35 40 45

Asn Leu Thr Thr Leu Asp Cys Gln Val Phe Thr Asp Xaa Trp Thr Trp
50 55 60

Ile Gln Asp Trp Glu Cys Xaa Gly Met Val Trp Gln Gln Cys Leu Leu
65 70 75 80

<210> 977

<211> 59

<212> PRT

<213> Homo sapiens

<400> 977

Thr Asp Asp Glu Phe Ser Gln Met Thr Leu Arg Asn Cys Phe Thr Lys
1 5 10 15

Asn Lys Val Ile Tyr Leu Leu Trp Glu Glu Leu Pro Ser Phe Cys Phe
20 25 30

Ser Ser Leu Pro Pro Phe Pro Cys Gly Cys Arg Ala Arg Ser Val Arg
35 40 45

Ser Trp Phe Cys Pro Ala Met Ile Arg Glu Ser
50 55

<210> 978

<211> 203

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Leu Trp Glu Leu Lys Lys Leu Ser Val His Phe His Pro Ser Val Ala
1 5 10 15

Leu Phe Ala Lys Thr Ile Leu Gln Gly Asn Tyr Ile Gln Tyr Ser Gly
20 25 30

Asp Pro Leu Gln Asp Phe Thr Leu Met Arg Phe Leu Asp Arg Phe Val
35 40 45

Tyr Arg Asn Pro Lys Pro His Lys Gly Lys Glu Asn Thr Asp Ser Val
50 55 60

Val Met Gln Pro Lys Arg Lys His Phe Ile Lys Asp Ile Arg His Leu
65 70 75 80

Pro Val Asn Ser Lys Glu Phe Leu Ala Lys Glu Glu Ser Gln Ile Pro
85 90 95

Val Asp Glu Val Phe Phe His Arg Tyr Tyr Lys Lys Val Ala Val Lys
100 105 110

Glu Lys Gln Lys Arg Asp Ala Asp Glu Glu Ser Ile Glu Asp Val Asp
115 120 125

Asp Glu Glu Phe Glu Glu Leu Ile Asp Thr Phe Glu Asp Asp Asn Cys
130 135 140

Phe Ser Ser Gly Lys Asp Asp Met Asp Phe Ala Gly Asn Val Lys Lys
145 150 155 160

Arg Thr Lys Gly Ala Lys Asp Asn Thr Leu Asp Glu Asp Ser Glu Gly
165 170 175

Ser Asp Asp Glu Leu Gly Asn Leu Asp Asp Asp Xaa Ser Phe Phe Arg
180 185 190

Glu Val Trp Met Met Glu Glu Phe Ala Gly Ser
195 200

<210> 979

<211> 141

<212> PRT

<213> Homo sapiens

<400> 979

Ala Ala Gly Phe Gly Asp Phe Cys Leu Ile Ala Met Ser Gly Arg Gly

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1             5             10             15
Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys Ser Arg Ser Ser Arg
      20             25             30
Ala Gly Leu Gln Phe Pro Val Gly Arg Val His Arg Leu Leu Arg Lys
      35             40             45
Gly Asn Tyr Ala Glu Arg Val Gly Ala Gly Ala Pro Val Tyr Leu Ala
      50             55             60
Ala Val Leu Glu Tyr Leu Thr Ala Glu Ile Leu Glu Leu Ala Gly Asn
      65             70             75             80
Ala Ala Arg Asp Asn Lys Lys Thr Arg Ile Ile Pro Arg His Leu Gln
      85             90             95
Leu Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys Leu Leu Gly Arg Val
      100            105            110
Thr Ile Ala Gln Gly Gly Val Leu Pro Asn Ile Gln Ala Val Leu Leu
      115            120            125
Pro Lys Lys Thr Glu Ser His His Lys Ala Lys Gly Lys
      130            135            140

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<210> 980

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980

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Gly Glu Leu Ser Phe Phe Gly Arg His Pro Asp Val Pro Arg Glu Ala
  1             5             10             15
Ala Gly Ala His Gly Asp Arg His Ala Ser Pro Trp Ala Phe Phe Leu
      20             25             30
Glu Arg Xaa Lys Ala Pro Arg Leu Thr Thr Arg Ser His Arg Leu Leu
      35             40             45
Ser Asp Val Phe Ala Ala Ser Trp Thr Pro His Arg Met Leu Thr Thr
      50             55             60

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Lys Thr Leu Gln Pro Trp Val Ala Arg Leu Asp Glu Met Glu Arg Gly
 65 70 75 80

Leu Phe Gln Thr Gly Gln Lys Gly Leu Asn Asp Phe Gln Cys Trp Glu
 85 90 95

Lys Gly Gln Ala Ser Gln Ile Thr Ala Ser Asn Leu Val Gln Asn
 100 105 110

<210> 981

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 981

Trp Arg Met Gly Phe Ser Arg Val Leu Cys Phe Thr Asn Ser Arg Glu
 1 5 10 15

Asn Ser His Arg Leu Phe Leu Leu Val Gln Ala Phe Gly Gly Val Asp
 20 25 30

Val Ala Glu Phe Ser Ser Arg Tyr Gly Pro Gly Gln Arg Arg Met Ile
 35 40 45

Leu Lys Gln Phe Glu Gln Gly Lys Ile Gln Leu Leu Ile Ser Thr Asp
 50 55 60

Ala Thr Ala Arg Gly Xaa Asp Val Gln Gly Val Glu Leu Val Val Asn
 65 70 75 80

Tyr Asp Ala Pro Gln Tyr Leu Arg Thr Tyr Val His Arg Val Gly Arg
 85 90 95

Thr Ala Arg Ala Gly Lys Thr Gly Gln Ala Phe Thr Leu Leu Leu Lys
 100 105 110

Val Gln Glu Arg Arg Phe Leu Arg Met Leu Thr Glu Ala Gly Ala Pro
 115 120 125

Glu Leu Gln Arg His Glu Leu Ser Ser Lys Leu Leu Gln Pro Leu Val
 130 135 140

Pro Arg Tyr Glu Glu Ala Leu Ser Gln Leu Glu Glu Ser Val Lys Glu
 145 150 155 160

Glu Xaa Lys Gln Arg Ala Ala
 165

<210> 982

<211> 108

<212> PRT

<213> Homo sapiens

<400> 982

Ala Asn Glu Pro Gln Phe Leu Ala Val Tyr Lys Lys Ser Leu Asn Ala
 1 5 10 15

Asn Glu Glu Phe Lys Gly Leu Phe Lys Glu Met Lys Gly Phe Pro Asn
 20 25 30

Arg Met Ile Tyr Ser Glu Glu Thr Asn Asn Gly Ile Ser Glu Thr His
 35 40 45

Asn Leu Lys Pro Asn Leu Glu Asn Met Leu Cys Thr Lys Thr Thr Ala
 50 55 60

Ser Ala Ser Ser Leu Ile Leu Thr Phe Phe Asn Arg Tyr Leu Leu Asn
 65 70 75 80

Cys Pro Val Lys Arg Cys His Asn Ala Gln Tyr Cys Lys Gln Gln Val
 85 90 95

Cys Ile His Glu Ala Phe Ile His Ser Gly Val Tyr
 100 105

<210> 983

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 983

Phe Ser Leu Ser Leu Ser Met Thr Pro Gln Leu Leu Leu Ala Leu Val
 1 5 10 15
 Leu Trp Ala Ser Cys Pro Pro Cys Ser Gly Arg Lys Gly Pro Pro Ala
 20 25 30
 Ala Leu Thr Leu Pro Arg Val Gln Cys Arg Ala Ser Arg Tyr Pro Ile
 35 40 45
 Ala Val Asp Cys Ser Trp Thr Leu Pro Pro Ala Pro Asn Ser Thr Ser
 50 55 60
 Pro Val Ser Phe Ile Ala Thr Tyr Arg Leu Gly Met Ala Ala Arg Gly
 65 70 75 80
 His Ser Trp Pro Cys Leu Gln Gln Thr Pro Thr Ser Thr Ser Cys Thr
 85 90 95
 Ile Thr Asp Val Gln Leu Phe Ser Met Ala Pro Tyr Val Leu Asn Val
 100 105 110
 Thr Ala Val His Pro Trp Gly Ser Ser Ser Ser Phe Val Pro Phe Ile
 115 120 125
 Thr Glu His Ile Ile Lys Pro Asp Pro Pro Glu Gly Val Arg Leu Ser
 130 135 140
 Pro Leu Ala Glu Arg Xaa
 145 150

<210> 984

<211> 158

<212> PRT

<213> Homo sapiens

<400> 984

Arg Leu Cys Trp Val Lys Thr Leu Gln His Leu Leu Leu Arg Ser Thr
 1 5 10 15
 His Lys Asp Gln Val Gln His Arg Gly Leu Gly Thr Ser Leu Ala Ser
 20 25 30
 Gly Pro His Leu Thr Val Arg Gln Gln Leu Pro Ser Pro Ala Met Cys
 35 40 45
 Leu Leu Ser Gly Ser Ser Cys Leu Lys Leu Thr Ser Thr Phe Phe Pro
 50 55 60
 Asp Gly Gln Val Ala Glu Gly Pro Ala Ile Ser Val Ala Cys Cys His

[illegible]

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<210> 985
<211> 40
<212> PRT
<213> Homo sapiens
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<400> 985
Arg Trp Gly Cys Pro Gly Trp Ser Gln Thr Pro Glu Leu Lys Gln Cys
1 5 10 15
Ala Arg Leu Gly Phe Pro Lys Cys Trp Asp Tyr Arg Arg Lys Pro Leu
20 25 30

His Ala Ala Tyr Pro Leu Pro Phe
35 40

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<210> 986
<211> 63
<212> PRT
<213> Homo sapiens
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<400> 986
Val Phe Gly Ser Phe Ser Cys Ile His Ser Pro Ser Cys His Leu Val
1          5          10          15

Lys Lys Val Pro Trp Phe Pro Phe Thr Phe Asn His Asp Cys Lys Phe
          20          25          30

Pro Glu Ala Pro Pro Ala Met Gly Asp Cys Glu Ser Ile Lys Pro Leu
          35          40          45

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Ser Phe Ile Asn Tyr Pro Val Ser Gly Ser Phe Leu Ile Ala Val
 50 55 60

<210> 987

<211> 90

<212> PRT

<213> Homo sapiens

<400> 987

His His Arg Ile Asn Cys Val His Leu Tyr His Cys Phe Thr Ser Leu
 1 5 10 15

Trp Trp Ile Tyr Met Ala Lys Leu Cys Glu Glu Ile Gly Lys Lys Lys
 20 25 30

Leu Pro Leu Thr Lys Asp Met Arg Glu Gln Gly Val Lys Ser Asn Pro
 35 40 45

Cys Asp Ser Ser Leu Ser His Thr Asp Arg Trp Tyr Leu Pro Val Ser
 50 55 60

Ser Thr Leu Phe Ser Leu Phe Lys Ile Leu Phe His Ala Ser Arg Phe
 65 70 75 80

Ile Phe Val Leu Ser Thr Ser Leu Phe Leu
 85 90

<210> 988

<211> 50

<212> PRT

<213> Homo sapiens

<400> 988

Ala Gln Glu Glu Lys Lys Pro Tyr Leu Cys Ser Arg Phe Cys Lys Gly
 1 5 10 15

Glu Ile Ser Thr Glu Arg Asn His Cys Tyr Thr Ser Ala Lys Thr Gln
 20 25 30

Gly Leu Gly Asp Leu Phe Leu Phe Ile Cys Phe Gly Tyr Leu Ala Ser
 35 40 45

Phe Ser
 50

<210> 989
<211> 92
<212> PRT
<213> Homo sapiens

<400> 989
Arg Met Lys Arg Ser Arg Arg Trp Ser Arg Tyr Lys Ala Leu Asn Ala
1 5 10 15
Gly Arg Thr Ser Lys Arg Ile His Lys Gly Leu Val Val Arg Lys Gly
20 25 30
Trp Leu Gly Lys Leu Pro Ser Leu Pro Leu Arg Trp Arg Ala Arg Gly
35 40 45
Val Met Thr Leu Met Phe Ile Leu Leu Ala Ala Met Leu Trp Phe Val
50 55 60
Ala Ala Pro Val Val Thr Tyr Ile Leu Cys Ala Leu Val Val Leu Leu
65 70 75 80
Ala Ala Pro Val Leu Asn Gly Arg Leu Tyr Ala Arg
85 90

<210> 990
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 990
Ser Gly Leu Ile Pro Phe Pro Phe Gln Arg Ile Ala Lys Lys Lys Leu
1 5 10 15
Thr Val Glu Ala Gly Cys Ser Glu Val Gly Cys Gly Val Gly Gly Thr
20 25 30
Xaa Gly Xaa Ala Leu Trp Ala Gly Ala Gly Gly Phe Glu Gly Leu Ser
35 40 45

Ser Thr Arg Ala Gln Arg Ser Cys Gln Trp Pro Val Ala Leu Pro Pro
 50 55 60

Phe Pro Glu Arg Gly Ser Arg Gly His Pro Gly Arg Leu Gly Pro Gly
 65 70 75 80

Pro Pro Ser Ala Leu Ala Ser
 85

<210> 991

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 991

Phe Ala Thr Asp Arg Phe Phe Lys Cys Trp His Asn Ala Gln Ser Ser
 1 5 10 15

Met Arg Glu Gln Pro Ile Phe Thr Thr Arg Ala His Val Phe Gln Ile
 20 25 30

Asp Pro Asn Thr Lys Lys Asn Trp Met Pro Ala Ser Lys Xaa Ala Val
 35 40 45

Thr Val Ser Tyr Phe Tyr Asp Val Thr Arg Asn Ser Tyr Arg Ile Ile
 50 55 60

Ser Val Asp Gly Ala Lys Val Ile Ile Asn Ser Thr Ile Thr Pro Asn
 65 70 75 80

Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser
 85 90 95

Arg Ala Asn Thr Val Phe Gly Leu Gly Phe Ser Ser Glu Gln Gln Leu
 100 105 110

Thr Lys Phe Ala Glu Lys Phe Gln Glu Val Lys Glu Ala Ala Lys Ile
 115 120 125

Ala Lys Asp Lys Thr Gln Glu Lys Ile Glu Thr Ser Ser Asn His Ser
130 135 140

Gln Ala Ser Ser Val Asn Xaa Thr Asp Asp Glu Lys Ala Ser His Ala
145 150 155 160

Gly Pro Ala Asn Thr His Leu Lys Ser Glu Asn Asp Lys Leu Lys Ile
165 170 175

Ala Leu Thr Thr Gln Ser Ala Pro Thr
180

<210> 992

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992

Pro Cys His Leu Gln His Glu Glu Ser Leu Ser Gly Val Lys Val Asn
1 5 10 15

Glu Thr Asn Arg Asp Xaa Arg Pro Gly Glu Ile Leu Val Thr Leu Leu
20 25 30

Glu Ser Cys Gln Ser Tyr Thr Gly Val Leu Leu Ile Gln Asn Asn Ser
35 40 45

Asn Asn Pro Ser Val Ser Tyr Val Tyr Ala Asn Phe Asn Lys Lys Lys
50 55 60

Leu Asp
65

<210> 993

<211> 434

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 993
 Ser Gly Pro Gly Val Gln Trp Val Gln Pro Ala Cys Xaa Leu Arg Pro
 1 5 10 15
 Asp Arg Gly Ala Pro Thr Asp Gly Xaa Gly Gly Ala Leu Gln Ala Glu
 20 25 30
 Thr Pro Ser Ser Ala Glu Ser Gln Glu Phe Trp Glu Val Lys Arg Lys
 35 40 45
 Glu Lys Leu Ile Thr Asn Gly Thr Ile Phe Cys Phe Glu Met Glu Pro
 50 55 60
 Ala Val Ser Glu Pro Met Arg Asp Gln Val Ala Arg Thr His Leu Thr
 65 70 75 80
 Glu Asp Thr Pro Lys Val Asn Ala Asp Ile Glu Lys Val Asn Xaa Asn
 85 90 95
 Gln Ala Xaa Arg Cys Thr Val Ile Gly Gly Ser Gly Phe Leu Gly Gln
 100 105 110
 His Met Val Glu Gln Leu Leu Ala Arg Gly Tyr Ala Val Asn Val Phe
 115 120 125
 Asp Ile Gln Gln Gly Phe Asp Asn Pro Gln Val Arg Phe Phe Leu Gly
 130 135 140
 Asp Leu Cys Ser Arg Gln Asp Leu Tyr Pro Ala Leu Lys Gly Val Asn
 145 150 155 160
 Thr Val Phe His Cys Ala Ser Pro Pro Pro Ser Ser Asn Asn Lys Glu
 165 170 175
 Leu Phe Tyr Arg Val Asn Tyr Ile Gly Thr Lys Asn Val Ile Glu Thr

180	185	190
Cys Lys Glu Ala Gly Val Gln Lys Leu Ile Leu Thr Ser Ser Ala Ser		
195	200	205
Val Ile Phe Glu Gly Val Asp Ile Lys Asn Gly Thr Glu Asp Leu Pro		
210	215	220
Tyr Ala Met Lys Pro Ile Asp Tyr Tyr Thr Glu Thr Lys Ile Leu Gln		
225	230	235 240
Glu Arg Ala Val Leu Gly Ala Asn Asp Pro Glu Lys Asn Phe Leu Thr		
	245	250 255
Thr Ala Ile Arg Pro His Gly Ile Phe Gly Pro Arg Asp Pro Gln Leu		
	260	265 270
Val Pro Ile Leu Ile Glu Ala Ala Arg Asn Gly Lys Met Lys Phe Val		
	275	280 285
Ile Gly Asn Gly Lys Asn Leu Val Asp Phe Thr Phe Val Glu Asn Val		
	290	295 300
Val His Gly His Ile Leu Ala Ala Glu Gln Leu Ser Arg Asp Ser Thr		
305	310	315 320
Leu Gly Gly Lys Ala Phe His Ile Thr Asn Asp Glu Pro Ile Pro Phe		
	325	330 335
Trp Thr Phe Leu Ser Arg Ile Leu Thr Gly Leu Asn Tyr Glu Ala Pro		
	340	345 350
Lys Tyr His Ile Pro Tyr Trp Val Ala Tyr Tyr Leu Ala Leu Leu Leu		
	355	360 365
Ser Leu Leu Val Met Val Ile Ser Pro Val Ile Gln Leu Gln Pro Thr		
	370	375 380
Phe Thr Pro Met Arg Val Ala Leu Ala Gly Thr Phe His Tyr Tyr Ser		
385	390	395 400
Cys Glu Arg Ala Lys Lys Ala Met Gly Tyr Gln Pro Leu Val Thr Met		
	405	410 415
Asp Asp Ala Met Glu Arg Thr Val Gln Ser Phe Arg His Leu Arg Arg		
	420	425 430
Val Lys		

<210> 994
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 994
Met Leu His Gly Ile Thr Ser Phe Ile Leu Tyr Lys Ser Ile Met Cys
1 5 10 15
Xaa Glu Leu Lys Thr Ser Leu Gly Asn Ile Asn Ser Ser
20 25

<210> 995
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 995
Arg Gly Leu Val Arg Gly Ala Met Val Gly Gly Met Gln Glu Arg Glu
1 5 10 15
Pro Ala Leu Thr Val Lys Leu Arg Leu Phe Xaa Pro Gln Pro Ser Thr
20 25 30

Pro Ala Gln Thr Gly Ser Trp Ala Leu Phe Cys Leu Ser Gln Pro His
 35 40 45
 Ser Lys Pro Xaa Pro Pro Ala Pro Pro Tyr Cys Asn Ser Pro His Ser
 50 55 60
 His Thr Arg Ser Pro Leu Pro Pro Thr Tyr Xaa Arg Xaa Phe Ser Pro
 65 70 75 80
 Leu Pro Ser Gln Leu Pro Ala Pro Ser Cys Phe Thr Lys Gly Glu Val
 85 90 95
 Pro Gly His Leu Arg Val Ser Leu Cys Gly Ala Gln Asn Leu Gln Gly
 100 105 110
 Pro Leu Ser Met Pro Leu Val Pro Trp Thr Val Ser Leu Val His Leu
 115 120 125
 Leu Ser Pro Ser Ile Leu Ser Gln Ser Thr Asp Phe Ser His Ser Ala
 130 135 140
 Val Ser Val Gln Pro Tyr Pro Arg Asp Leu Asp Ala Trp Pro Pro Asn
 145 150 155 160
 Leu Ala Leu Gly Tyr Pro Asp Ala Asn Gln Thr Pro Pro Ser Ser
 165 170 175

<210> 996

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996

Thr Leu Ser His Gln Val Thr Gln Gln Met Asn Met Leu Ile Gly Val
1 5 10 15

Glu Leu Gln Arg Leu Leu Val Cys Gln Val Phe Leu Phe Ile Gln Leu
20 25 30

Asp Thr Met His Ala Gln Lys Leu Leu Xaa Lys Met Gly Gly Ser Ala
35 40 45

Pro Pro Asp Ser Ser Trp Arg Gly Ser Leu Lys Val Pro Tyr Asn Val
50 55 60

Gly Pro Gly Phe Thr Gly Asn Phe Ser Thr Gln Lys Val Lys Met His
65 70 75 80

Ile His Ser Thr Asn Glu Val Thr Arg Ile Tyr Asn Val Ile Gly Thr
85 90 95

Leu Arg Gly Ala Val Glu Pro Asp Arg Tyr Val Ile Leu Gly Gly His
100 105 110

Arg Asp Ser Trp Val Xaa Gly Gly Ile Asp Pro Gln Ser Gly Ala Ala
115 120 125

Val Val His Glu Ile Val Arg Ser Phe Gly Thr Leu Lys Lys Glu Gly
130 135 140

Trp Arg Pro Arg Arg Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Glu
145 150 155 160

Phe Gly Leu Leu Gly Ser Thr Glu Trp Ala Glu Xaa Xaa Ser Arg Leu
165 170 175

Leu Gln Glu Arg Gly Xaa Gly Phe Ile Leu Asn Ala Asp Ser Ser Ile
180 185 190

Gly Arg Lys Leu His Ser Glu Glu Leu Asp Cys Thr Pro Leu Asp Val
195 200 205

Gln Leu Gly Thr Gln Pro Tyr Gln Arg Ala
210 215

<210> 997

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 997

Gly	Arg	Arg	Gln	Pro	Thr	Pro	Xaa	Thr	Ser	Pro	Glu	Pro	Pro	Arg	Ser
1				5					10					15	

Ser	Pro	Arg	Gln	Thr	Pro	Ala	Pro	Gly	Pro	Ala	Arg	Glu	Lys	Ser	Ala
			20					25					30		

Gly	Lys	Arg	Gly	Pro	Asp	Arg	Gly	Ser	Pro	Glu	Tyr	Arg	Gln	Arg	Arg
	35					40						45			

Glu	Arg	Asn	Asn	Ile	Ala	Val	Arg	Lys	Ser	Arg	Asp	Lys	Ala	Lys	Arg
50						55					60				

Arg	Asn	Gln	Glu	Met	Gln	Gln	Lys	Leu	Val	Glu	Leu	Ser	Ala	Glu	Asn
65					70					75					80

Glu	Lys	Leu	His	Gln	Arg	Val	Glu	Gln	Leu	Thr	Arg	Asp	Leu	Ala	Gly
			85						90					95	

Leu	Arg	Gln	Phe	Phe	Lys	Gln	Leu	Pro	Ser	Pro	Pro	Phe	Leu	Pro	Ala
		100						105					110		

Ala	Gly	Thr	Ala	Asp	Cys	Arg
		115				

<210> 998

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 998

Leu Val Asn Gly Ala Arg Lys Val Thr Gly Gln Arg Thr Gln Met Tyr
 1 5 10 15

Arg Xaa Asp Met Xaa Asn Asn Lys Asn Gly Val Asp Gln Glu Ile Ile
 20 25 30

Phe Pro Pro Ile Lys Thr Asp Val Ile Thr Met Asp Pro Lys Asp Asn
 35 40 45

Cys Ser Lys Asp Ala Asn Asp Thr Leu Leu Leu Gln Leu Thr Asn Thr
 50 55 60

Ser Ala Tyr Tyr Met Tyr Leu Leu Leu Leu Lys Ser Val Val Tyr
 65 70 75 80

Phe Ala Ile Ile Thr Cys Cys Leu Leu Arg Arg Thr Ala Phe Cys Cys
 85 90 95

Asn Gly Glu Lys Ser
 100

<210> 999

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 999

Gly Thr Ser Ala Gly Val Asn Pro Tyr Lys Cys Ser Gln Cys Glu Lys
 1 5 10 15

Ser Phe Ser Gly Lys Leu Arg Leu Leu Val His Gln Arg Met His Thr
 20 25 30

Arg Glu Lys Pro Tyr Glu Cys Ser Glu Cys Gly Lys Ala Phe Ile Arg
 35 40 45

Asn Ser Gln Leu Ile Val His Gln Arg Thr His Ser Gly Glu Lys Pro
 50 55 60

Tyr Gly Xaa Gln
65

<210> 1000

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1000

Arg	Pro	Cys	Glu	Arg	Thr	Val	Arg	Pro	Arg	His	Ser	Gly	His	Ser	Gly
1				5					10				15		
Pro	Asn	Xaa	Cys	Cys	Ser	Cys	Arg	Cys	Ser	Ser	Cys	Thr	Gly	Glu	Ala
	20						25					30			
Ala	Ile	Ala	Gly	Arg	Leu	Arg	Thr	Ala	Ala	Ala	Gly	Ala	Arg	Thr	Ala
	35				40						45				
Gly	Ala	Ala	Leu	Arg	His	Leu	Gly	Ala	Gly	Gln	Arg	Glu	Leu	Gly	Pro
	50				55					60					
Arg	Leu	Glu	Glu	Thr	Lys	Trp	Glu	Val	Cys	Gln	Lys	Ser	Gly	Glu	Ile
65				70					75					80	
Ser	Leu	Leu	Lys	Gln	Gln	Leu	Lys	Glu	Ser	Gln	Ala	Glu	Leu	Val	Gln
			85					90						95	
Lys	Gly	Ser	Glu	Leu	Val	Ala	Leu	Arg	Val	Ala	Leu	Arg	Glu	Ala	Arg
			100					105					110		
Ala	Thr	Leu	Arg	Val	Ser	Glu	Gly	Arg	Ala	Arg	Gly	Leu	Gln	Glu	Ala
	115						120					125			
Ala	Arg	Ala	Arg	Glu	Leu	Glu	Leu	Glu	Ala	Cys	Ser	Gln	Glu	Leu	Gln
	130					135					140				
Arg	His	Arg	Gln	Glu	Ala	Glu	Gln	Leu	Arg	Glu	Lys	Ala	Gly	Gln	Leu
145				150						155				160	
Asp	Ala	Glu	Ala	Ala	Gly	Leu	Arg	Glu	Pro	Val	Pro	Pro	Ala	Thr	
			165					170					175		
Ala	Asp	Pro	Phe	Leu	Leu	Ala	Glu	Ser	Asp	Glu	Ala	Lys	Val	Gln	Arg
			180					185					190		

Ala Ala Ala Gly Val Gly Gly Ser Leu Arg Ala Gln Val Glu Arg Leu
 195 200 205

Arg Val Glu Leu Gln Arg Glu Arg Arg Arg Gly Glu Glu Gln Arg Asp
 210 215 220

Ser Phe Glu Gly Glu Arg Leu Ala Trp Gln Ala Glu Lys Glu Gln Val
 225 230 235 240

Ile Arg Tyr Gln Lys Gln Leu Gln His Asn Tyr Ile Gln Met Tyr Arg
 245 250 255

Arg Asn Arg Gln Leu Glu Gln Glu Leu Gln Gln Leu Ser Leu Glu Leu
 260 265 270

Glu Ala Arg Glu Leu Ala Asp Leu Gly Leu Ala Glu Gln Pro Pro Ala
 275 280 285

Ser Ala Trp Arg Arg Ser Leu Leu Leu Arg Ser Arg Ala Leu Ser Asn
 290 295 300

Gln Leu Cys Arg Glu Leu Cys Gln Arg Gly Ser Ser Cys Arg Ser Thr
 305 310 315 320

<210> 1001

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1001

Gly Leu Cys Phe Leu Pro Trp Val Gly Phe Ser Ser Met His Val Gly
 1 5 10 15

Cys Phe Ser Leu Asn Leu Ile Val Cys Leu Val Cys Phe Pro Pro Phe
 20 25 30

Pro Phe Leu Phe Lys Leu Ile His Arg Thr Gln Lys Phe Thr Arg Tyr
 35 40 45

Glu His Leu Lys Lys Trp Asn Arg Glu Asn Gly Thr Ser His Val Ile
 50 55 60

Lys Ile Asn Ile Val Leu
 65 70

<210> 1002
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002
Ile Phe Tyr Thr Ile Leu Gln Trp Asp Arg Asn Cys Leu Thr Pro Ala
1 5 10 15
Gly Val Thr Pro His Glu Pro Gln Gly Ser Ser Val Pro Lys Xaa Lys
20 25 30
Lys Gly Asn Arg Trp Pro Pro Pro Leu Pro His Ser Pro Gly Thr Gln
35 40 45
Asp Cys Ser Leu Lys Val Phe Glu Pro Pro Ser Phe Pro Phe Leu Leu
50 55 60
Gly Gly Gln Gly Xaa Leu Asn Ser Arg Ala Leu Pro Val Leu Pro
65 70 75

<210> 1003
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003
Ile Arg His Glu Gly Thr Leu Asn Gln Pro Leu Thr Lys Leu Asp Arg
1 5 10 15
Ser Ser Glu Glu Pro Leu Gly Val Leu Val Asn Pro Asn Met Tyr Gln
20 25 30

Ser Pro Pro Gln Trp Val Asp His Thr Gly Ala Ala Ser Gln Lys Lys
35 40 45

Ala Phe Arg Ser Ser Gly Phe Gly Leu Glu Phe Asn Ser Phe Gln His
50 55 60

Gln Leu Arg Ile Gln Asp Gln Glu Phe Gln Glu Gly Phe Asp Gly Gly
65 70 75 80

Trp Cys Leu Ser Val His Gln Pro Trp Xaa Ser Leu Leu Val Arg Gly
85 90 95

Ile Lys Arg Val Glu Gly Arg Ser Trp Tyr Thr Pro His Arg Gly Arg
100 105 110

Leu Trp Ile Ala Ala Thr Ala Lys Lys Pro Ser Pro Gln Glu Val Ser
115 120 125

Glu Leu Gln Ala Thr Tyr Arg Leu Leu Arg Gly Lys Asp Val Glu Phe
130 135 140

Pro Asn Asp Tyr Pro Ser Val Val Phe Trp Ala Val Trp Thr
145 150 155

<210> 1004

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1004

Ala Gly Thr Leu Thr Pro Ala Tyr Cys Leu Lys Thr Ser Pro Thr Gly
1 5 10 15

Xaa Phe Met Val Ser Tyr Pro Leu Pro His Ile Phe Leu Ala Thr Arg
20 25 30

Gln Glu Thr Tyr Leu Trp His Leu Gln Ile Ser Xaa Ile Xaa Phe Trp
35 40 45

Xaa Phe Pro Cys Leu Ala Ile Cys Phe Ile Glu Trp Val Ser Glu Thr
50 55 60

<210> 1005

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser Ser Lys Phe Arg Ala Ile Asn Pro Ile Ser Val Ile Lys Ser Ser
1 5 10 15

Thr Asp Asn Asn Glu Gln Leu Leu Lys Ser Asn Ile Leu Ser Leu Phe
20 25 30

Thr Asn Val Ser Leu Ser Ile Gly Thr Phe Leu Xaa Tyr Leu Phe Ala
35 40 45

Cys His Tyr Asp Gln Lys Lys Gln Lys Ala Thr Gln Lys Gly Gln Pro
50 55 60

His Ser Lys

65

<210> 1006

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

Leu	Asp	Lys	Lys	Arg	Lys	Lys	Asp	Met	Leu	Asn	Ser	Lys	Thr	Lys	Thr
1				5					10					15	

Gln	Tyr	Phe	His	Gln	Glu	Lys	Trp	Ile	Tyr	Val	His	Lys	Gly	Ser	Thr
			20					25						30	

Xaa	Glu	Arg	His	Gly	Tyr	Cys	Thr	Leu	Gly	Xaa	Ala	Phe	Asn	Arg	Leu
	35						40					45			

Asp	Phe	Ser	Thr	Ala	Ile	Leu	Asp	Ser	Arg	Arg	Phe	Asn	Tyr	Val	Val
	50					55					60				

Arg	Leu	Leu	Glu	Leu	Ile	Ala	Lys	Ser	Gln	Leu	Thr	Ser	Leu	Ser	Gly
65					70					75					80

Ile	Ala	Gln	Lys	Asn	Phe	Met	Asn	Ile	Leu	Glu	Lys	Val	Val	Leu	Lys
			85						90					95	

Val	Leu	Glu	Asp	Gln	Gln	Asn	Ile	Arg	Leu	Ile	Arg	Glu	Leu	Leu	Gln
		100						105						110	

Thr	Leu	Tyr	Thr	Ser	Leu	Cys	Thr	Leu	Val	Gln	Arg	Val	Gly	Lys	Ser
	115						120						125		

Val	Leu	Val	Gly	Asn	Ile	Asn	Met	Trp	Val	Tyr	Arg	Met	Glu	Thr	Ile
	130					135					140				

Leu	His	Trp	Gln	Gln	Gln	Leu	Asn	Asn	Ile	Gln	Ile	Thr	Arg	Pro	Ala
145					150					155					160

Phe	Lys	Gly	Leu	Thr	Phe	Thr	Asp	Leu	Pro	Leu	Cys	Leu	Gln	Leu	Asn
			165					170						175	

Ile	Met	Gln	Arg	Leu	Ser	Asp	Gly	Arg	Asp	Leu	Val	Ser	Leu	Gly	Gln
		180						185						190	

Leu	Pro	Pro	Thr	Cys	Thr	Cys	Ser	Ala	Lys	Thr	Gly	Cys	Cys	Gly	Arg
		195						200							205

Asn Ser Ala Ser Thr Thr Ser Pro Ser Gly Arg Ser Ala Asn Asp
 210 215 220

<210> 1007

<211> 152

<212> PRT

<213> Homo sapiens

<400> 1007

Phe Gly Thr Ser Phe Cys Trp Cys Tyr Phe Gln Phe Tyr Phe Gln Cys
 1 5 10 15

His Asn Arg Val Ile Phe Lys Gln Leu Leu Gln Ala Lys Ala Leu Gln
 20 25 30

Phe Leu Gln Ile Asp Ser Cys Arg Leu Gly Ser Val Asn Glu Asn Leu
 35 40 45

Ser Val Leu Leu Met Ala Lys Lys Phe Glu Ile Pro Val Cys Pro His
 50 55 60

Ala Gly Gly Val Gly Leu Cys Glu Leu Val Gln His Leu Ile Ile Phe
 65 70 75 80

Asp Tyr Ile Ser Val Ser Ala Ser Leu Glu Asn Arg Val Cys Glu Tyr
 85 90 95

Val Asp His Leu His Glu His Phe Lys Tyr Pro Val Met Ile Gln Arg
 100 105 110

Ala Ser Tyr Met Pro Pro Lys Asp Pro Gly Tyr Ser Thr Glu Met Lys
 115 120 125

Glu Glu Ser Val Lys Lys His Gln Tyr Pro Asp Gly Glu Val Trp Lys
 130 135 140

Lys Leu Leu Pro Ala Gln Glu Asn
 145 150

<210> 1008

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

Arg Glu Glu Ile Met Lys Gly Arg Glu Tyr Gln Glu Ala Gly Xaa Trp
1 5 10 15

Gly Pro Ser Gln Arg Leu Pro Asn Thr Gly Tyr Ser Leu Ala Pro Asp
20 25 30

Asp Ser Cys Ser Phe Gln Met Gln Asn Ala Pro Ser Gln Asp Leu Gln
35 40 45

Lys Ser Tyr Pro Ile Ile Gly Leu Ala Gln Ser Ser Glu Pro Tyr His
50 55 60

Leu Lys Phe Gln Val
65

<210> 1009

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1009

Val Ile Val Asn Val Leu Asn Tyr Gln Leu Glu Gly Ile Phe Val Leu
1 5 10 15

Lys Val Asp Ile Glu Glu Pro Lys Trp Met Met Gly Phe Gly Ala Ser
20 25 30

Ser Glu Ser Met Phe Pro Leu Lys Tyr Phe Pro Lys Gln Trp Tyr Thr
35 40 45

Trp Leu Phe Tyr Tyr Glu Ile Cys Ile Cys Xaa Val Phe Leu Cys Glu
50 55 60

Gln Cys Phe Ser Leu Ser Val Thr Ile Cys Lys Gly Lys Ser Thr Asn
65 70 75 80

Ile Asp Tyr Ile Ala Gln Asn
85

<210> 1010

<211> 164

<212> PRT

<213> Homo sapiens

<400> 1010

Asp His Pro Ala Glu Glu Leu Gly Gln Ser Ile Cys Ile Cys His Pro
 1 5 10 15

Arg Thr Leu Thr Met Lys Thr Leu Leu Leu Leu Ala Val Ile Met Ile
 20 25 30

Phe Gly Leu Leu Gln Ala His Gly Asn Leu Val Asn Phe His Arg Met
 35 40 45

Ile Lys Leu Thr Thr Gly Lys Glu Ala Ala Leu Ser Tyr Gly Phe Tyr
 50 55 60

Gly Cys His Cys Gly Val Gly Gly Arg Gly Ser Pro Lys Asp Ala Thr
 65 70 75 80

Asp Arg Cys Cys Val Thr His Asp Cys Cys Tyr Lys Arg Leu Glu Lys
 85 90 95

Arg Gly Cys Gly Thr Lys Phe Leu Ser Tyr Lys Phe Ser Asn Ser Gly
 100 105 110

Ser Arg Ile Thr Cys Ala Lys Gln Asp Ser Cys Arg Ser Gln Leu Cys
 115 120 125

Glu Cys Asp Lys Ala Ala Ala Thr Cys Phe Ala Arg Asn Lys Thr Thr
 130 135 140

Tyr Asn Lys Lys Tyr Gln Tyr Tyr Ser Asn Lys His Cys Arg Gly Ser
 145 150 155 160

Thr Pro Arg Cys

<210> 1011

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1011
 Pro Thr Arg Pro Arg Arg Ala Ala Phe Pro Val Trp Val Pro Glu Arg
 1 5 10 15
 Thr Ala Leu Leu Thr Cys Pro Leu Gly Ala Ala Pro Gly Ser Ser Arg
 20 25 30
 Glu Ala Pro Gly Ile Ala Gly Pro Pro Asn Ser Thr Ala Met Ser Lys
 35 40 45
 Leu Gly Lys Phe Phe Lys Gly Gly Gly Ser Ser Lys Ser Arg Ala Ala
 50 55 60
 Pro Ser Pro Gln Glu Ala Leu Val Arg Leu Arg Glu Thr Glu Glu Met
 65 70 75 80
 Leu Gly Lys Lys Gln Glu Tyr Leu Glu Asn Arg Ile Gln Arg Glu Ile
 85 90 95
 Ala Leu Ala Lys Lys Xaa Gly Thr Gln Xaa Lys Arg Gly Ile Xaa Thr
 100 105 110

 Lys

<210> 1012
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1012
 Leu Thr Asp Leu Pro Cys Asn Lys Ile Val Phe Cys Glu Lys Gln Glu
 1 5 10 15
 Met Asn Asn Asn Ser Val Gly Thr Pro Leu Gln Ile Ser Gln Glu Ile
 20 25 30
 Gln Lys Asn Cys Glu Gln Val Ala Gly Phe Thr Ile Leu Gln Asp Thr
 35 40 45

Ala Ser Tyr Ser Lys Phe Leu Gln Asp Asn Asp Ala Gln Leu Phe Thr
50 55 60

Tyr Leu Cys Leu Asn Ile Pro Ile Ser Leu Thr Phe Ile Leu Trp
65 70 75

<210> 1013

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1013

Gln Asp Arg Glu Gly Phe Gly Ser Gly Gln Ala Gly Asp Gly Tyr Glu
1 5 10 15

His Leu Ser Phe Glu Thr Cys Arg Gly Gly Asn Glu Gly Arg Gly Pro
20 25 30

Cys Val Glu Val Phe Ile Gln Glu Ala Val Val Pro Leu Gly Leu Asn
35 40 45

Ile Ala Ser Xaa Arg Gln
50

<210> 1014

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1014

Ala Gly Asp Leu Arg Ala Gly Ser Thr Leu Lys Arg Phe Gly Phe Pro

1 5 10 15
 Arg Pro Gly Trp Gly Glu Arg Ala Gly Cys Pro Leu Asp Ser Pro Pro
 20 25 30
 Pro His Leu Met Ser Arg Pro Ser Ala Pro Trp Ser Xaa Ala Ile Met
 35 40 45
 Pro Pro Trp Xaa Gly Ala Lys Asp Ile Glu Gly Leu Leu Gly Ala Gly
 50 55 60
 Gly Gly Arg Asn Leu Val Ala His Ser Pro Leu Thr Ser His Pro Ala
 65 70 75 80
 Ala Pro Thr Leu Met Pro Ala Val Asn Tyr Ala Pro Leu Asp Leu
 85 90 95

<210> 1015

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Gln Lys Arg Ser Glu Asn Ile Lys Gln Val Glu Val Trp Ser Ile Leu
 1 5 10 15
 Ser Lys Met Asn Ile Ser Gly Ser Ser Cys Gly Ser Pro Asn Ser Ala
 20 25 30
 Asp Thr Ser Ser Asp Phe Lys Asp Leu Trp Thr Lys Leu Lys Glu Cys
 35 40 45
 His Asp Arg Glu Val Gln Gly Leu Gln Val Lys Val Thr Lys Leu Lys
 50 55 60
 Gln Glu Arg Ile Leu Asp Ala Gln Arg Leu Glu Glu Phe Phe Thr Lys
 65 70 75 80
 Asn Gln Gln Leu Arg Glu Gln Gln Lys Val Leu His Glu Thr Ile Lys
 85 90 95
 Val Leu Glu Asp Arg Leu Arg Ala Gly Leu Cys Asp Arg Cys Ala Val
 100 105 110

Thr Glu Glu His Met Arg Lys Lys Gln Gln Glu Phe Glu Asn Ile Pro
115 120 125

Ala Ala Xaa Ser
130

<210> 1016
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1016
Gly Gly Arg Phe Xaa Val His Arg Thr Pro Ile Thr His Pro Ala Ser
1 5 10 15

Gln Val Glu Gly Leu Gln Val Arg Arg Cys Ile Pro Gln Gly Leu Met
20 25 30

Leu Ser Ala Ile Phe Ile Pro Arg Gln Xaa Ser
35 40

<210> 1017
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Cys Arg Ala Ser Phe Ala Gly Pro Ala Ala Leu Gln Asp Arg Asp Trp
 1 5 10 15

Gln Arg Thr Val Ile Ala Met Asn Gly Ile Glu Val Lys Leu Ser Val
 20 25 30

Lys Phe Asn Ser Arg Glu Phe Ser Leu Lys Arg Met Pro Ser Arg Lys
 35 40 45

Gln Thr Gly Val Phe Gly Val Lys Ile Ala Val Val Thr Lys Arg Glu
 50 55 60

Arg Ser Lys Val Pro Tyr Ile Val Arg Gln Cys Val Glu Glu Ile Glu
 65 70 75 80

Arg Arg Gly Met Glu Glu Val Gly Ile Tyr Arg Val Ser Gly Val Ala
 85 90 95

Thr Asp Ile Gln Ala Leu Lys Ala Xaa Phe Asp Val Asn Asn Lys Asp
 100 105 110

Val Ser Val Met Met Ser Glu Met Asp Val Asn Ala Ile Ala Gly Thr
 115 120 125

Leu Lys Leu Tyr Phe Arg Glu Leu Pro Glu Pro Leu Phe Thr Asp Glu
 130 135 140

Phe Tyr Pro Asn Phe Ala Glu Gly Ile Ala Leu Ser Asp Pro Val Ala
 145 150 155 160

Lys Glu Ser Cys Met Leu Asn Leu Leu Ser Leu Ala Gly Ala Asn
 165 170 175

Leu Ala Ser Xaa Phe Leu Phe Leu Phe Gly Thr Xaa
 180 185

<210> 1018

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1018

Gly Thr Ser Val Asp Glu Gly Ser Ile Ser Pro Arg Thr Leu Ser Ala
1 5 10 15

Ile Lys Arg Ala Leu Asp Asp Asp Xaa Asp Val Lys Val Cys Ala Gly
20 25 30

Asp Asp Val Gln Thr Gly Gly Pro Gly Ala Glu Glu Met Arg Ile Asn
35 40 45

Ser Ser Thr Glu Asn Ser Asp Glu Gly Leu Lys Val Arg Asp Gly Lys
50 55 60

Gly Ile Pro Phe Thr Ala Thr Leu Ala Ser Ser Ser Val Asn Ser Ala
65 70 75 80

Glu Glu His Val Ala Ser Thr Asn Glu Gly Arg Glu Pro Thr Asp Ser
85 90 95

Val Pro Lys Glu Gln Met Ser Leu Val His Val Gly Thr Glu Ala Phe
100 105 110

Pro Ile Ser Asp Glu Ser Met Ile Lys Asp Arg Lys Asp Arg Leu Pro
115 120 125

Leu Glu Ser Ala Val Val Arg His Ser Asp Ala Pro Gly Leu Pro Asn
130 135 140

Gly Arg Glu Leu Thr Pro Ala Ser Xaa Thr Cys Thr Asn Ser Val Ser
145 150 155 160

Lys Asn Glu Thr His Ala Glu Val Leu Glu Gln Gln Asn Glu Leu Cys
165 170 175

Pro Tyr Glu Ser Lys Phe Asp Ser Ser Leu Leu Ser Ser Asp Asp Glu
180 185 190

Thr Lys Cys Lys Pro Asn Ser Ala Ser Glu Val Ile Gly Pro Val Ser
195 200 205

Leu Gln Glu Thr Ser Ser Ile Val Ser Val Pro Ser Glu Ala Val Asp
210 215 220

Asn Val Glu Asn Val Val Ser Phe Asn Ala Lys Glu His Glu Asn Phe

225 230 235 240
 Leu Glu Thr Ile Gln Glu Gln Gln Thr Thr Glu Ser Ala Gly Gln Asp
 245 250 255
 Leu Ile Ser Ile Pro Lys Ala Val Glu Pro Met Glu Ile Asp Ser Glu
 260 265 270
 Glu Ser Glu Ser Asp Gly Ser Phe Ile Glu Val Gln Ser Val Ile Ser
 275 280 285
 Asp Glu Glu Leu Gln Ala Glu Phe Pro Glu Thr Ser Lys Pro Pro Ser
 290 295 300
 Glu Gln Gly Glu Glu Glu Leu Val Gly Thr Arg Glu Gly Glu Ala Pro
 305 310 315 320
 Ala Glu Ser Glu Ser Leu Leu Arg Asp Asn Ser Glu Arg Asp Asp Val
 325 330 335
 Asp Gly Glu Pro Gln Glu Ala Glu Lys Asp Ala Glu Asp Ser Leu His
 340 345 350
 Glu Trp Gln Asp Ile Asn Leu Glu Glu Leu Glu Thr Leu Glu Ser Asn
 355 360 365
 Leu Leu Ala Gln Gln Asn Ser Leu Lys Ala Gln Lys Gln Gln Gln Glu
 370 375 380
 Arg Ile Ala Ala Thr Val Thr Gly Gln Met Phe Leu Glu Ser Gln Glu
 385 390 395 400
 Leu Leu Arg Leu Phe Gly Ile Pro Tyr Ile Gln Ala Pro Met Glu Ala
 405 410 415
 Glu Ala Gln Cys Ala Ser Trp Thr
 420

<210> 1019

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019